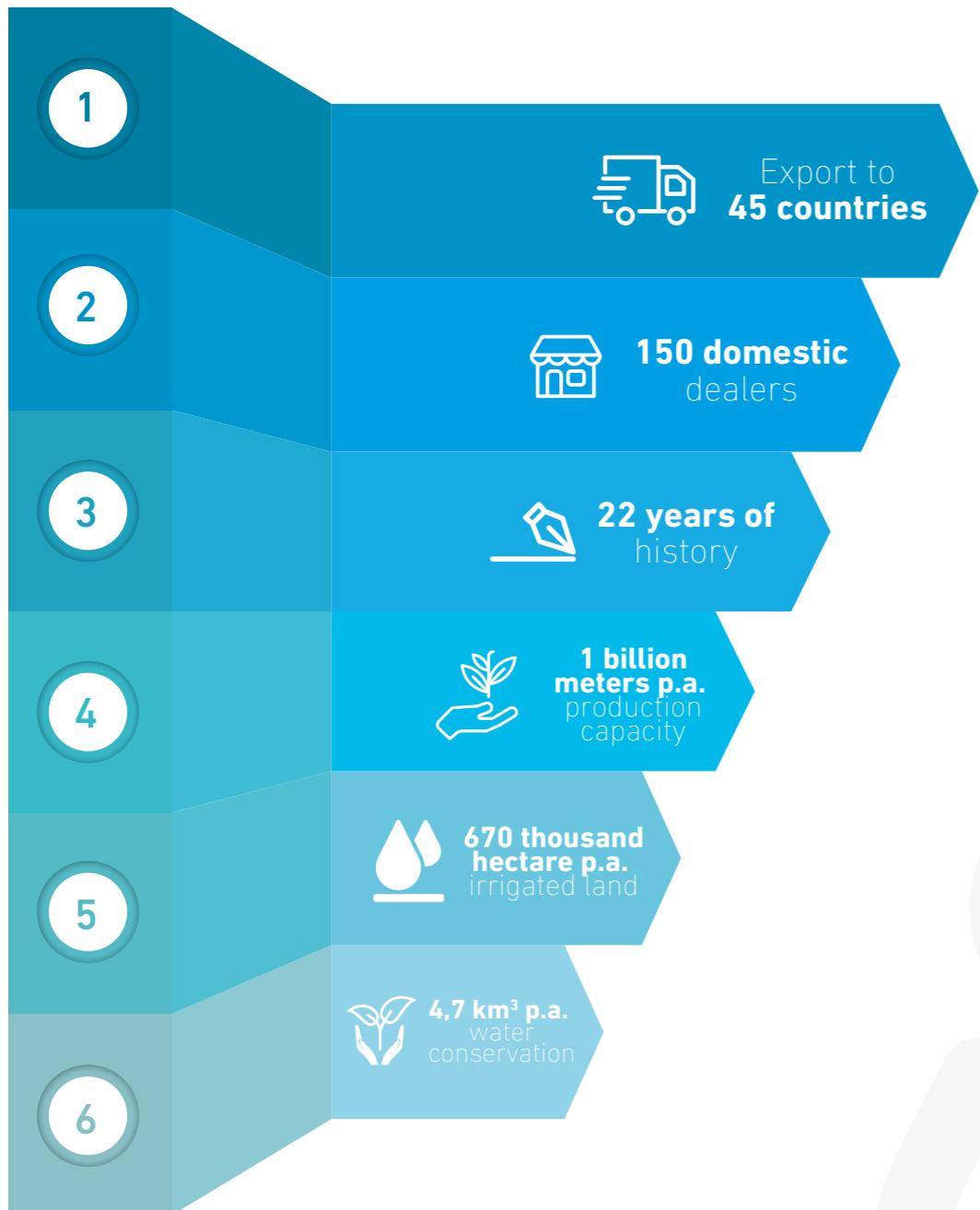




 **SUNSTREAM®**
Irrigation Systems

PRODUCT
CATALOG



ISKO Plastics, the most powerful company of ISKO Group, was established in 1994, operates with an annual production capacity of 10.000 tons in modern factories located in Istanbul and Canakkale. The company is Turkey's leading manufacturer of modern irrigation systems under the brand name Sunstream with a wide range of products and high quality service. 40% of the production is exported to 45 countries being a world-class partner.



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DRIPLINES

FLD SERIES

TPD SERIES

OVD SERIES

ROD SERIES

FPC SERIES

RPC SERIES



FLAT TYPE DRIPLINE

APPLICATIONS

- Row crops
- Field crops



FEATURES

- Wide filtration area
- Wide water passage section to prevent clogging
- Injected dripper with compact design
- Very low CV value
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal diameter:

16, 20, 22 & 25 mm

Wall thickness:

6 mil (0,15 mm) - 24 mil (0,60 mm)

Nominal flow rates (1 bar):

0,80 / 1,20 / 1,60 / 2,00 / 2,60 / 3,20 LPH

Dripper spacing:

15, 20, 25, 30, 33, 40, 50, 60, 75, 100 & 120 cm

Coil length*:

500 / 600 / 750 / 1000 / 1250 / 1500 / 2000 / 2500 m

Related standards:

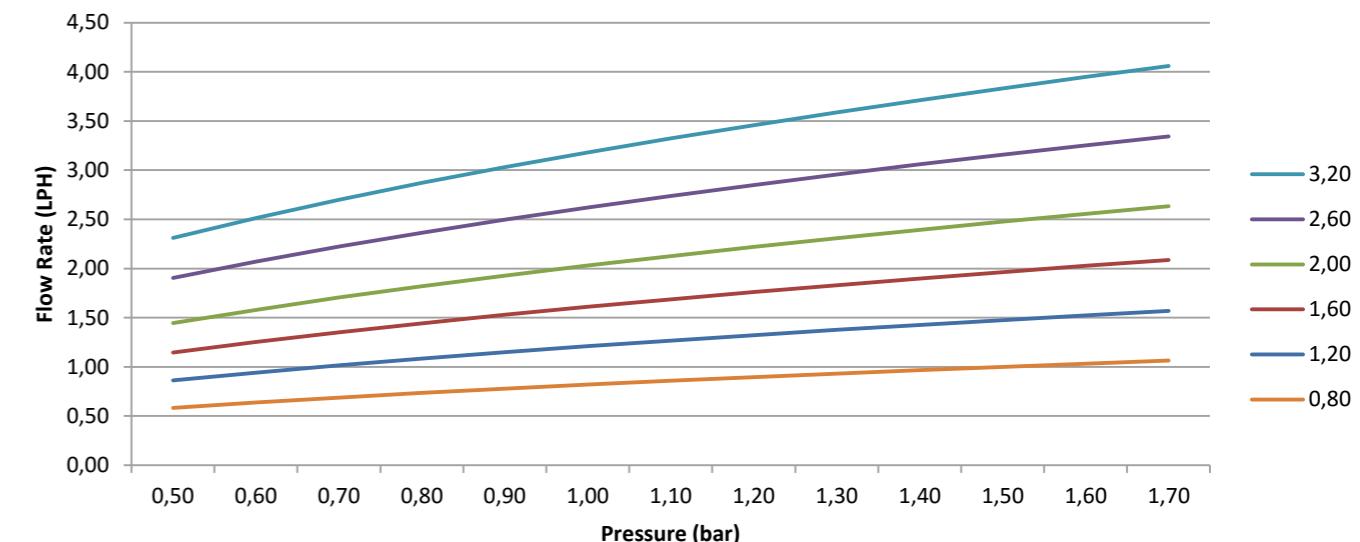
ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

* Coil length changes according to diameter and wall thickness. Please see the loading info tables of each diameter for details.

Dripper types

Nominal flow rate LPH (1 bar)	0,80	1,20	1,60	2,00	2,60	3,20
Flow constant k	0,82	1,21	1,61	2,03	2,62	3,18
Flow exponent x (*)	0,49	0,49	0,49	0,49	0,46	0,46
Flow equation $Q = kP^x$	$0,82 P^{0,49}$	$1,21 P^{0,49}$	$1,61 P^{0,49}$	$2,03 P^{0,49}$	$2,62 P^{0,46}$	$3,18 P^{0,46}$
Average CV % (1 bar)	4,05	3,67	3,26	3,02	2,91	2,84
Average flow variation % (1 bar)	1,74	1,66	1,62	1,57	1,52	1,49
Water passage dimensions						
width (mm)	0,45	0,54	0,62	0,70	0,79	1,05
depth (mm)	0,45	0,54	0,62	0,70	0,79	0,90
length (mm)	45	45	45	40	37	65
Filtration area $mm^2 \times$ no of inlets	0,159 x 18	0,196 x 18	0,283 x 18	0,283 x 18	0,283 x 18	0,385 x 15
Required filtration micron/mesh	105/140	105/140	125/120	125/120	125/120	125/120

FLOW RATE VS. PRESSURE



Nominal flow rate LPH (1 bar)	Pressure bar												
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70
0,80	0,58	0,64	0,69	0,74	0,78	0,82	0,86	0,90	0,93	0,97	1,00	1,03	1,06
1,20	0,86	0,94	1,02	1,08	1,15	1,21	1,27	1,32	1,38	1,43	1,48	1,52	1,57
1,60	1,15	1,25	1,35	1,44	1,53	1,61	1,69	1,76	1,83	1,90	1,96	2,03	2,09
2,00	1,45	1,58	1,70	1,82	1,93	2,03	2,13	2,22	2,31	2,39	2,48	2,56	2,63
2,60	1,90	2,07	2,22	2,36	2,50	2,62	2,74	2,85	2,96	3,06	3,16	3,25	3,34
3,20	2,31	2,51	2,70	2,87	3,03	3,18	3,32	3,46	3,59	3,71	3,83	3,95	4,06

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 FLD 006 XXX XXX	16,00	6/0,15	16,30	0,80
016 FLD 008 XXX XXX	16,00	8/0,20	16,40	0,80
016 FLD 010 XXX XXX	16,00	10/0,25	16,50	1,00
016 FLD 012 XXX XXX	16,00	12/0,30	16,60	1,20
016 FLD 014 XXX XXX	15,95	14/0,35	16,65	1,20
016 FLD 016 XXX XXX	15,95	16/0,40	16,75	1,40
016 FLD 020 XXX XXX	15,85	20/0,50	16,85	1,60
016 FLD 024 XXX XXX	15,85	24/0,60	17,05	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,8 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	113	134	151	162	182	212	238	274	331	369
1,20	88	104	118	126	142	165	186	214	258	288
1,60	72	86	96	103	117	135	152	175	212	236
2,00	63	75	84	90	101	118	132	152	184	205
2,60	55	66	74	79	89	104	116	134	162	180
3,20	49	58	65	70	79	91	103	118	143	159

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	115	136	153	164	186	216	244	281	341	380
1,20	90	106	119	128	145	168	190	219	266	296
1,60	74	87	98	105	119	138	156	180	218	243
2,00	64	76	85	91	104	120	136	156	190	211
2,60	56	67	75	80	91	106	119	138	167	186
3,20	50	59	66	71	80	93	105	121	147	164

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	120	141	159	171	194	226	256	295	360	401
1,20	93	110	124	133	152	176	200	230	281	313
1,60	76	90	102	109	124	144	164	189	230	256
2,00	67	79	89	95	108	126	143	164	200	223
2,60	59	69	78	84	95	111	125	144	176	196
3,20	52	61	69	73	84	97	110	127	155	173

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 FLD 006 XXX XXX	6/0,15	15	480 x 300	2000	19,6	992	1984000	19443,2
		20-25	480 x 250	2000	19,2	1240	2480000	23808,0
		30-50	480 x 300	2500	23,8	992	2480000	23609,6
		30-50	480 x 250	2000	17,8	1240	2480000	22072,0
		480 x 300	2500	22,0	992	2480000	21824,0	
016 FLD 008 XXX XXX	8/0,20	15	480 x 300	1500	19,6	992	1488000	19443,2
		20-25	480 x 300	2000	24,1	992	1984000	23907,2
		30-50	480 x 300	2000	22,7	992	1984000	22518,4
016 FLD 010 XXX XXX	10/0,25	15	480 x 250	1250	19,6	1240	1550000	24304,0
		20-25	480 x 200	1000	14,8	1612	1612000	23857,6
		30-50	480 x 200	1000	14,1	1612	1612000	22729,2
016 FLD 012 XXX XXX	12/0,30	20-25	480 x 250	1000	17,5	1240	1240000	21700,0
		30-50	480 x 250	1000	16,8	1240	1240000	20832,0
016 FLD 014 XXX XXX	14/0,35	20-25	480 x 250	1000	19,9	1240	1240000	24676,0
		30-50	480 x 250	1000	19,2	1240	1240000	23808,0
016 FLD 016 XXX XXX	16/0,40	20-25	480 x 300	1000	22,3	992	992000	22121,6
		30-50	480 x 300	1000	21,6	992	992000	21427,2
016 FLD 020 XXX XXX	20/0,50	20-25	480 x 300	750	20,4	992	744000	20236,8
		30-50	480 x 300	750	19,8	992	744000	19641,6
016 FLD 024 XXX XXX	24/0,60	20-25	480 x 300	600	19,5	992	595200	19344,0
		30-50	480 x 300	600	19,0	992	595200	18848,0

DRIPLINES

FLD - 20 MM

DRIPLINES

FLD - 20 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
020 FLD 008 XXX XXX	20,00	8/0,20	20,40	0,70
020 FLD 010 XXX XXX	20,00	10/0,25	20,50	0,80
020 FLD 012 XXX XXX	20,00	12/0,30	20,60	1,00
020 FLD 014 XXX XXX	20,00	14/0,35	20,70	1,20
020 FLD 016 XXX XXX	20,00	16/0,40	20,80	1,40
020 FLD 020 XXX XXX	20,00	20/0,50	21,00	1,60
020 FLD 024 XXX XXX	20,00	24/0,60	21,20	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,8 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	172	201	223	237	265	303	336	381	452	497
1,20	138	161	178	190	212	242	269	305	362	398
1,60	113	132	146	156	174	199	221	250	296	326
2,00	98	115	127	136	151	173	192	218	258	284
2,60	87	101	112	119	133	152	169	192	227	250
3,20	76	89	99	105	117	134	149	169	200	220

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	175	204	226	241	270	309	345	391	466	513
1,20	140	163	181	193	216	247	276	313	373	410
1,60	115	134	149	158	177	203	226	257	306	336
2,00	100	116	129	138	154	176	197	223	266	293
2,60	88	102	114	121	136	155	173	197	234	258
3,20	77	90	100	107	119	137	152	173	206	227

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	182	212	235	251	282	323	362	411	491	541
1,20	146	170	188	201	226	258	290	329	393	433
1,60	119	139	155	165	185	212	238	270	322	355
2,00	104	121	134	143	161	184	207	235	281	309
2,60	91	106	118	126	142	162	182	206	247	272
3,20	80	94	104	111	125	143	160	182	217	239

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
020 FLD 010 XXX XXX	10/0,25	20-25	480 x 250	1000	17,4	1240	124000	21576,0
		30-50	480 x 250	1000	16,6	1240	124000	20584,0
020 FLD 012 XXX XXX	12/0,30	20-25	480 x 250	1000	20,3	1240	124000	25172,0
		30-50	480 x 250	1000	19,5	1240	124000	24180,0
020 FLD 016 XXX XXX	16/0,40	20-25	480 x 300	1000	26,3	992	99200	26089,6
		30-50	480 x 300	1000	25,5	992	99200	25296,0

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
022 FLD 008 XXX XXX	22,00	8/0,20	22,40	0,60
022 FLD 010 XXX XXX	22,00	10/0,25	22,50	0,80
022 FLD 012 XXX XXX	22,00	12/0,30	22,60	1,00
022 FLD 014 XXX XXX	22,00	14/0,35	22,70	1,20
022 FLD 016 XXX XXX	22,00	16/0,40	22,80	1,40
022 FLD 020 XXX XXX	22,00	20/0,50	23,00	1,60
022 FLD 024 XXX XXX	22,00	24/0,60	23,20	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,8 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	214	249	277	295	329	376	418	474	562	618
1,20	167	195	216	230	257	294	326	370	438	482
1,60	137	160	177	189	210	241	267	303	359	395
2,00	119	139	154	164	183	209	233	264	312	344
2,60	105	122	136	145	161	184	205	232	275	303
3,20	92	107	119	127	142	162	180	204	242	266

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	217	253	281	300	336	384	429	486	579	637
1,20	170	198	220	234	262	300	334	379	452	497
1,60	139	162	180	192	215	246	274	311	370	408
2,00	121	141	157	167	187	214	238	271	322	355
2,60	106	124	138	147	164	188	210	238	283	312
3,20	94	109	121	129	145	165	185	210	249	275

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	226	263	293	312	351	401	450	511	611	672
1,20	176	205	228	243	274	313	351	398	476	524
1,60	145	168	187	199	224	257	288	327	391	430
2,00	126	147	163	173	195	223	250	284	340	374
2,60	111	129	143	153	172	197	220	250	299	329
3,20	97	113	126	134	151	173	194	220	263	290

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
022 FLD 010 XXX XXX	10/0,25	20-25	480 x 250	1000	19,2	1240	124000	23808,0
		30-50	480 x 250	1000	18,4	1240	124000	22816,0
022 FLD 012 XXX XXX	12/0,30	20-25	480 x 250	1000	22,4	1240	124000	27776,0
		30-50	480 x 250	1000	21,6	1240	124000	26784,0
022 FLD 016 XXX XXX	16/0,40	20-25	480 x 300	1000	29,1	992	99200	28867,2
		30-50	480 x 300	1000	28,3	992	99200	28073,6

* Full container order may exceed the maximum mass/weight capacity of a container (Payload).

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
025 FLD 010 XXX XXX	25,00	10/0,25	25,50	0,80
025 FLD 012 XXX XXX	25,00	12/0,30	25,60	1,00
025 FLD 014 XXX XXX	25,00	14/0,35	25,70	1,20
025 FLD 016 XXX XXX	25,00	16/0,40	25,80	1,40
025 FLD 020 XXX XXX	25,00	20/0,50	26,00	1,60
025 FLD 024 XXX XXX	25,00	24/0,60	26,20	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,8 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	276	322	358	381	425	486	539	612	725	798
1,20	216	251	279	297	331	379	421	477	565	623
1,60	177	206	229	244	272	311	345	392	464	510
2,00	154	179	199	212	236	270	300	341	403	444
2,60	135	158	175	187	208	238	264	300	355	391
3,20	119	139	154	164	183	209	232	264	312	344

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	281	327	363	387	433	496	553	628	747	823
1,20	219	255	283	302	338	387	432	490	583	642
1,60	179	209	232	248	277	317	354	402	478	526
2,00	156	182	202	215	241	276	308	349	416	458
2,60	137	160	178	190	212	243	271	307	366	403
3,20	121	141	157	167	187	214	238	271	322	355

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	292	340	378	403	453	518	581	659	788	868
1,20	228	265	295	314	353	404	453	514	615	677
1,60	187	217	242	257	290	331	372	422	504	555
2,00	162	189	210	224	252	288	323	367	439	483
2,60	143	166	185	197	222	254	284	323	386	425
3,20	126	147	163	173	195	223	250	284	340	374

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
025 FLD 012 XXX XXX	12/0,30	20-25	480 x 250	1000	25,1	1240	124000	31124,0
		30-50	480 x 250	1000	24,3	1240	124000	30132,0
025 FLD 016 XXX XXX	16/0,40	20-25	480 x 300	1000	32,6	992	992000	32339,2
		30-50	480 x 300	1000	31,8	992	992000	31545,6

* Full container order may exceed the maximum mass/weight capacity of a container (Payload).



DRIP TAPE

APPLICATIONS

- Row crops
- Field crops



FEATURES

- Installed on-surface or sub-surface
- Wide filtration area
- Wide water passage section to prevent clogging
- Extruded dripper with uniform design
- Very low CV value
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal diameter:

16, 22 & 25 mm

Wall thickness:

6 mil (0,15 mm) - 24 mil (0,60 mm)

Nominal flow rates (1 bar):

0,70 / 1,00 / 1,40 / 1,80 LPH

Dripper spacing:

10, 20, 30, 40, 50 & 60 cm

Coil length*:

2000 / 2500 / 3000 m

Related standards:

ISO 9261 Agricultural irrigation equipment

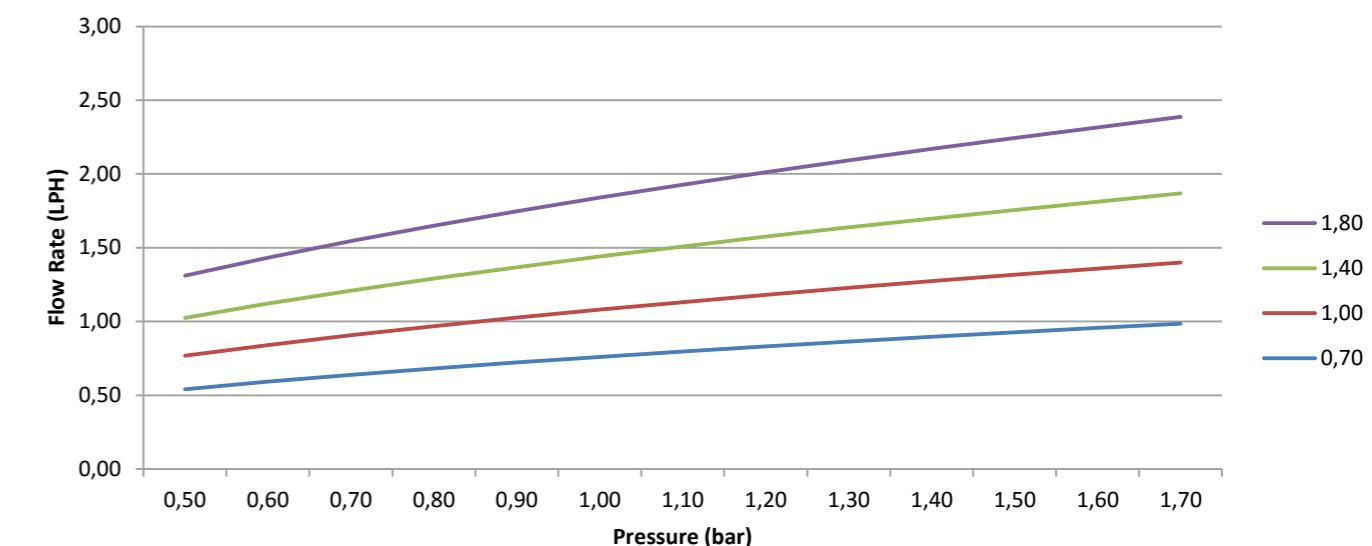
-- Emitters and emitting pipe -- Specifications and test methods

* Coil length changes according to diameter and wall thickness. Please see the loading info tables of each diameter for details.

DRIPPER TYPES

Nominal flow rate LPH (0,7 bar)	0,60	0,90	1,20	1,50
Nominal flow rate LPH (1 bar)	0,70	1,00	1,40	1,80
Flow constant <i>k</i>	0,76	1,08	1,44	1,84
Flow exponent <i>x</i> (*)	0,49	0,49	0,49	0,49
Flow equation <i>Q = kP^x</i>	0,76 P ^{0,49}	1,08 P ^{0,49}	1,44 P ^{0,49}	1,84 P ^{0,49}
Average CV % (1 bar)	4,29	3,85	3,39	3,11
Average flow variation % (1 bar)	1,86	1,76	1,70	1,63
Water passage dimensions				
width (mm)	0,83	0,83	0,83	0,83
depth (mm)	0,40	0,50	0,60	0,70
length (mm)	45	45	45	45
Filtration area mm ² x no of inlets	0,24 x 36	0,30 x 36	0,36 x 36	0,42 x 36
Required filtration micron/mesh	105/140	105/140	105/140	105/140

FLOW RATE VS. PRESSURE



Nominal flow rate LPH (1 bar)	Pressure bar												
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70
0,70	0,54	0,59	0,64	0,68	0,72	0,76	0,80	0,83	0,86	0,90	0,93	0,96	0,99
1,00	0,77	0,84	0,91	0,97	1,03	1,08	1,13	1,18	1,23	1,27	1,32	1,36	1,40
1,40	1,03	1,12	1,21	1,29	1,37	1,44	1,51	1,57	1,64	1,70	1,76	1,81	1,87
1,80	1,31	1,43	1,54	1,65	1,75	1,84	1,93	2,01	2,09	2,17	2,24	2,32	2,39

DRILINES

TPD - 16 MM

DRILINES

TPD - 16 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 TPD 006 XXX XXX	16,00	6/0,15	16,30	0,80
016 TPD 008 XXX XXX	16,00	8/0,20	16,40	0,80
016 TPD 010 XXX XXX	16,00	10/0,25	16,50	1,00
016 TPD 012 XXX XXX	16,00	12/0,30	16,60	1,20
016 TPD 014 XXX XXX	15,95	14/0,35	16,65	1,20
016 TPD 016 XXX XXX	15,95	16/0,40	16,75	1,40
016 TPD 020 XXX XXX	15,85	20/0,50	16,85	1,60
016 TPD 024 XXX XXX	15,85	24/0,60	17,05	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,7 bar

Nominal flow rate LPH (0,7 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,60	86	168	224	272	316	351
0,90	60	118	157	190	221	245
1,20	43	85	112	136	158	176
1,50	34	68	90	113	125	141

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,70	87	171	229	278	324	362
1,00	61	120	160	194	227	253
1,40	44	86	114	139	162	181
1,80	35	69	92	115	128	145

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,70	90	178	239	291	340	382
1,00	63	125	167	203	238	267
1,40	46	89	119	145	170	191
1,80	36	72	96	120	134	153

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 TPD 006 XXX XXX	6/0,15	10-60	480 x 200	2000	18,8	1480	2960000	27824,0
			480 x 250	2500	23,4	1240	3100000	29016,0
			480 x 300	3000	28,0	992	2976000	27776,0
016 TPD 008 XXX XXX	8/0,20	10-60	480 x 200	1500	17,6	1480	2220000	26048,0
			480 x 250	2000	23,2	1240	2480000	28768,0
			480 x 300	2500	28,9	992	2480000	28668,8

* Full container order may exceed the maximum mass/weight capacity of a container (Payload).

DRILINES

TPD - 22 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
022 TPD 008 XXX XXX	22,00	8/0,20	22,40	0,60
022 TPD 010 XXX XXX	22,00	10/0,25	22,50	0,80
022 TPD 012 XXX XXX	22,00	12/0,30	22,60	1,00
022 TPD 014 XXX XXX	22,00	14/0,35	22,70	1,20
022 TPD 016 XXX XXX	22,00	16/0,40	22,80	1,40
022 TPD 020 XXX XXX	22,00	20/0,50	23,00	1,60
022 TPD 024 XXX XXX	22,00	24/0,60	23,20	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,7 bar

Nominal flow rate LPH (0,7 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,60	162	318	424	515	597	664
0,90	114	223	296	359	418	464
1,20	82	160	211	257	299	332
1,50	65	128	170	213	236	266

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,70	164	323	433	525	612	684
1,00	115	227	302	367	429	478
1,40	83	163	215	263	306	342
1,80	66	130	174	217	242	274

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,70	171	336	452	549	643	722
1,00	120	236	316	383	450	504
1,40	86	169	225	275	321	361
1,80	69	136	182	227	254	289

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
022 TPD 010 XXX XXX	10/0,25	10-60	480 x 200	1000	19,4	1480	1480000	28712,0
			480 x 250	1250	24,2	1240	1550000	30008,0
			480 x 300	1500	29,1	992	1488000	28867,2
022 TPD 012 XXX XXX	12/0,30	10-60	480 x 200	1000	22,6	1480	1480000	33448,0
			480 x 250	1250	28,2	1240	1550000	34968,0
			480 x 300	1500	33,8	992	1488000	33529,6

* Full container order may exceed the maximum mass/weight capacity of a container (Payload).

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
025 TPD 010 XXX XXX	25,00	10/0,25	25,50	0,80
025 TPD 012 XXX XXX	25,00	12/0,30	25,60	1,00
025 TPD 014 XXX XXX	25,00	14/0,35	25,70	1,20
025 TPD 016 XXX XXX	25,00	16/0,40	25,80	1,40
025 TPD 020 XXX XXX	25,00	20/0,50	26,00	1,60
025 TPD 024 XXX XXX	25,00	24/0,60	26,20	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 0,7 bar

Nominal flow rate LPH (0,7 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,60	209	411	548	665	771	857
0,90	147	288	383	464	540	599
1,20	106	207	273	332	385	428
1,50	84	166	220	275	305	343

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,70	212	417	559	678	791	883
1,00	149	293	390	473	554	617
1,40	107	210	278	339	395	442
1,80	85	168	224	281	312	354

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm					
	10	20	30	40	50	60
0,70	221	434	584	709	830	932
1,00	155	305	408	495	582	651
1,40	112	218	291	354	415	466
1,80	89	175	235	293	328	373

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
			480 x 200	1000	25,4	1480	1480000	37592,0
025 TPD 012 XXX XXX	12/0,30	10-60	480 x 250	1250	31,7	1240	1550000	39308,0
			480 x 300	1500	38,0	992	1488000	37696,0
025 TPD 016 XXX XXX	16/0,40	10-60	480 x 250	1000	32,9	1240	1240000	40796,0
			480 x 300	1250	41,0	992	1240000	40672,0

* Full container order may exceed the maximum mass/weight capacity of a container (Payload).



OVAL TYPE DRILINE

APPLICATIONS

- Fruit crops
- Vineyards
- Olive trees
- Greenhouses
- Row crops
- Field crops



FEATURES

- Wide filtration area
- Wide water passage section to prevent clogging
- Injected dripper with compact design
- Very low CV value
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal diameter:

16 & 20 mm

Wall thickness:

26 mil (0,65 mm) - 44 mil (1,10 mm)

Nominal flow rates (1 bar):

0,80 / 1,20 / 1,60 / 2,00 / 2,60 / 3,20 LPH

Dripper spacing:

20, 25, 30, 33, 40, 50, 60, 75, 100 & 120 cm

Coil length*:

400 / 500 m

Related standards:

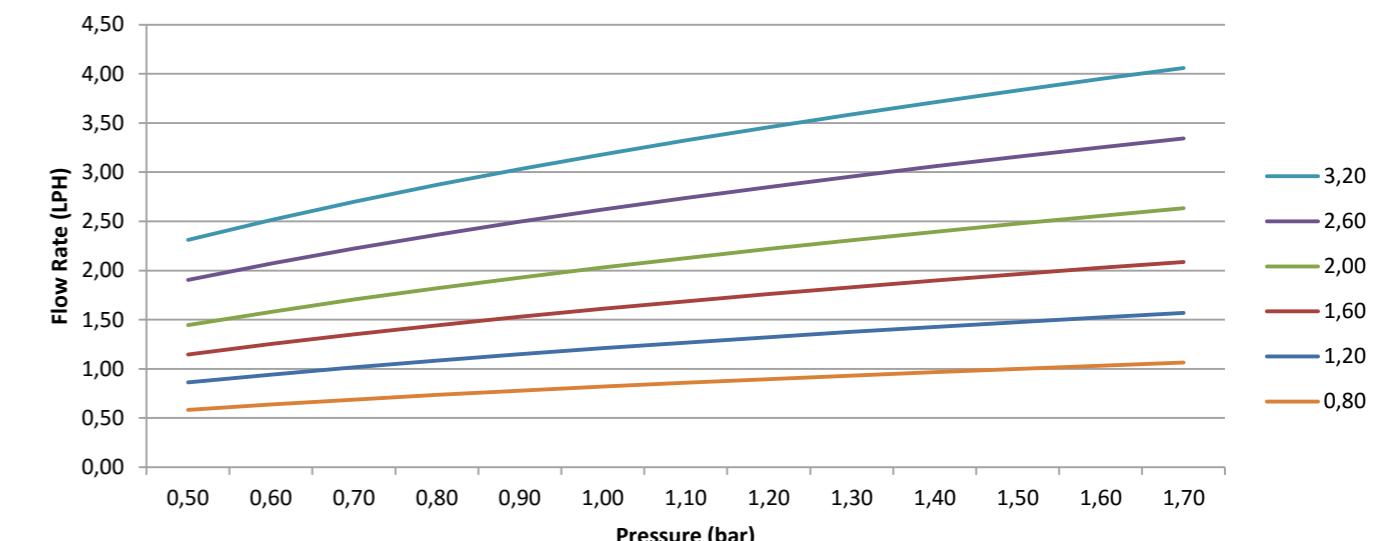
ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

* Coil length changes according to diameter. Please see the loading info tables of each diameter for details.

DRIPPER TYPES

Nominal flow rate LPH (1 bar)	0,80	1,20	1,60	2,00	2,60	3,20
Flow constant k	0,82	1,21	1,61	2,03	2,62	3,18
Flow exponent x (*)	0,49	0,49	0,49	0,49	0,46	0,46
Flow equation $Q = kP^x$	$0,82 P^{0,49}$	$1,21 P^{0,49}$	$1,61 P^{0,49}$	$2,03 P^{0,49}$	$2,62 P^{0,46}$	$3,18 P^{0,46}$
Average CV % (1 bar)	4,05	3,67	3,26	3,02	2,91	2,84
Average flow variation % (1 bar)	1,74	1,66	1,62	1,57	1,52	1,49
Water passage dimensions						
width (mm)	0,45	0,54	0,62	0,70	0,79	1,05
depth (mm)	0,45	0,54	0,62	0,70	0,79	0,90
length (mm)	45	45	45	40	37	65
Filtration area $mm^2 \times$ no of inlets	0,159 x 18	0,196 x 18	0,283 x 18	0,283 x 18	0,283 x 18	0,385 x 15
Required filtration micron/mesh	105/140	105/140	125/120	125/120	125/120	125/120

FLOW RATE VS. PRESSURE



Nominal flow rate LPH (1 bar)	Pressure bar												
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70
0,80	0,58	0,64	0,69	0,74	0,78	0,82	0,86	0,90	0,93	0,97	1,00	1,03	1,06
1,20	0,86	0,94	1,02	1,08	1,15	1,21	1,27	1,32	1,38	1,43	1,48	1,52	1,57
1,60	1,15	1,25	1,35	1,44	1,53	1,61	1,69	1,76	1,83	1,90	1,96	2,03	2,09
2,00	1,45	1,58	1,70	1,82	1,93	2,03	2,13	2,22	2,31	2,39	2,48	2,56	2,63
2,60	1,90	2,07	2,22	2,36	2,50	2,62	2,74	2,85	2,96	3,06	3,16	3,25	3,34
3,20	2,31	2,51	2,70	2,87	3,03	3,18	3,32	3,46	3,59	3,71	3,83	3,95	4,06

DRIPLINES

OVD - 16 MM

DRIPLINES

OVD - 16 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 OVD 026 XXX XXX	13,75	26/0,65	15,05	1,60
016 OVD 028 XXX XXX	13,75	28/0,70	15,15	1,60
016 OVD 030 XXX XXX	13,75	30/0,75	15,25	1,60
016 OVD 032 XXX XXX	13,75	32/0,80	15,35	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	95	113	127	136	154	179	202	233	283	315
1,20	74	88	99	106	120	140	158	182	221	248
1,60	61	72	81	87	99	115	129	149	181	204
2,00	53	63	71	76	86	100	113	130	157	183
2,60	47	55	62	67	76	88	99	114	139	158
3,20	41	49	55	59	66	77	87	100	122	141

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	99	117	132	142	161	187	213	245	298	333
1,20	77	92	103	110	126	146	166	191	233	262
1,60	63	75	84	91	103	120	136	157	191	215
2,00	55	65	73	79	90	104	118	136	166	193
2,60	49	57	65	69	79	92	104	120	146	167
3,20	43	51	57	61	69	81	92	105	129	149

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,5 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	105	124	140	150	172	199	227	262	321	358
1,20	82	97	109	117	134	156	177	204	250	281
1,60	67	80	90	96	110	128	145	168	205	231
2,00	59	69	78	83	96	111	127	146	179	208
2,60	52	61	69	73	84	98	111	128	157	179
3,20	45	54	60	65	74	86	98	113	138	160

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 OVD 026 XXX XXX	26/0,65	20-33	800 x 320	500	14,8	336	168000	4972,8
		40-120	800 x 320	500	14,3	336	168000	4804,8
016 OVD 028 XXX XXX	28/0,70	20-33	800 x 320	500	15,9	336	168000	5342,4
		40-120	800 x 320	500	15,4	336	168000	5174,4
016 OVD 030 XXX XXX	30/0,75	20-33	800 x 320	500	17,0	336	168000	5712,0
		40-120	800 x 320	500	16,5	336	168000	5544,0
016 OVD 032 XXX XXX	32/0,80	20-33	800 x 320	500	18,1	336	168000	6081,6
		40-120	800 x 320	500	17,7	336	168000	5947,2

DRILINES

OVD - 20 MM

DRILINES

OVD - 20 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
020 OVD 028 XXX XXX	17,50	28/0,70	18,90	1,60
020 OVD 030 XXX XXX	17,50	30/0,75	19,00	1,60
020 OVD 032 XXX XXX	17,50	32/0,80	19,10	1,60
020 OVD 036 XXX XXX	17,50	36/0,90	19,30	1,60
020 OVD 040 XXX XXX	17,50	40/1,00	19,50	1,60
020 OVD 044 XXX XXX	17,50	44/1,10	19,70	1,60

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	155	180	200	213	239	273	305	346	412	453
1,20	121	140	156	166	186	213	238	270	321	357
1,60	99	115	128	136	153	175	195	221	263	293
2,00	86	100	111	119	133	152	170	192	229	263
2,60	76	88	98	104	117	134	149	169	202	227
3,20	67	78	86	92	103	118	131	149	177	203

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	161	187	208	222	249	285	320	363	434	478
1,20	125	146	162	173	195	223	250	283	339	376
1,60	103	120	133	142	160	183	205	232	278	309
2,00	89	104	116	123	139	159	178	202	242	278
2,60	79	92	102	109	122	140	157	178	213	240
3,20	69	81	90	96	107	123	138	156	187	214

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,5 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
0,80	170	199	221	235	266	304	342	389	467	514
1,20	133	155	172	183	207	237	267	303	364	404
1,60	109	127	141	150	170	194	219	248	299	333
2,00	95	110	123	131	148	169	191	216	260	298
2,60	83	97	108	115	130	149	168	190	229	258
3,20	73	86	95	101	114	131	148	167	201	230

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
020 OVD 028 XXX XXX	28/0,70	20-33	850 x 320	400	15,8	328	131200	5182,4
		40-120	850 x 320	400	15,4	328	131200	5051,2
020 OVD 030 XXX XXX	30/0,75	20-33	850 x 320	400	17,0	328	131200	5576,0
		40-120	850 x 320	400	16,6	328	131200	5444,8
020 OVD 032 XXX XXX	32/0,80	20-33	850 x 320	400	18,1	328	131200	5936,8
		40-120	850 x 320	400	17,7	328	131200	5805,6
020 OVD 036 XXX XXX	36/0,90	20-33	850 x 320	400	20,4	328	131200	6691,2
		40-120	850 x 320	400	20,0	328	131200	6560,0
020 OVD 040 XXX XXX	40/1,00	20-33	850 x 320	400	22,7	328	131200	7445,6
		40-120	850 x 320	400	22,3	328	131200	7314,4
020 OVD 044 XXX XXX	44/1,10	20-33	850 x 320	400	25,0	328	131200	8200,0
		40-120	850 x 320	400	24,6	328	131200	8068,8



ROUND TYPE DRILINE

APPLICATIONS

- Fruit crops
- Vineyards
- Olive trees
- Greenhouses
- Row crops
- Field crops



FEATURES

- Installed on-surface or sub-surface
- Wide filtration area
- Wide water passage section to prevent clogging
- Injected dripper with compact design
- Very low CV value
- Four outlet holes per dripper to prevent blockage from external factors
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal diameter:

16 & 20 mm

Wall thickness:

32 mil (0,80 mm) - 48 mil (1,20 mm)

Nominal flow rates (1 bar):

1,00 / 2,00 / 4,00 LPH

Dripper spacing:

20, 25, 30, 33, 40, 50, 60, 75, 100 & 120 cm

Coil length*:

300 / 400 m

Related standards:

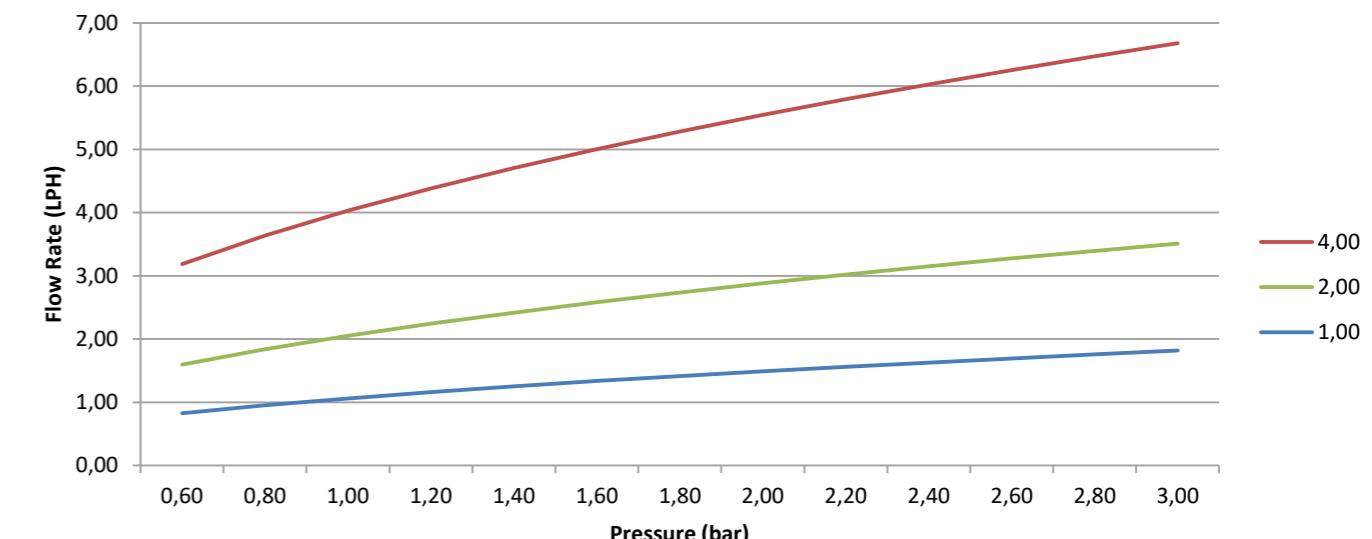
ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

* Coil length changes according to diameter. Please see the loading info tables of each diameter for details.

DRIPPER TYPES

Nominal flow rate LPH (1 bar)	1,00	2,00	4,00
Flow constant <i>k</i>	1,06	2,05	4,03
Flow exponent <i>x</i> (*)	0,49	0,49	0,46
Flow equation $Q = kP^x$	1,06 $P^{0,49}$	2,05 $P^{0,49}$	4,03 $P^{0,46}$
Average CV % (1 bar)	4,35	4,17	4,06
Average flow variation % (1 bar)	2,82	2,64	2,53
Water passage dimensions			
width (mm)	0,65	0,76	1,28
depth (mm)	0,82	1,05	1,15
length (mm)	123 x 2	89 x 2	52 x 2
Filtration area $mm^2 \times no\ of\ inlets$	0,196 x 46	0,385 x 32	0,636 x 22
Required filtration micron/mesh	105/140	125/120	125/120

FLOW RATE VS. PRESSURE



Nominal flow rate LPH (1 bar)	Pressure bar												
	0,60	0,80	1,00	1,20	1,40	1,60	1,80	2,00	2,20	2,40	2,60	2,80	3,00
1,00	0,83	0,95	1,06	1,16	1,25	1,33	1,41	1,49	1,56	1,63	1,69	1,76	1,82
2,00	1,60	1,84	2,05	2,24	2,42	2,58	2,73	2,88	3,02	3,15	3,27	3,40	3,51
4,00	3,19	3,64	4,03	4,38	4,70	5,00	5,28	5,54	5,79	6,03	6,25	6,47	6,68

DRILINES ROD - 16 MM

DRILINES ROD - 16 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 ROD 032 XXX XXX	13,75	32/0,80	15,35	1,50
016 ROD 036 XXX XXX	13,75	36/0,90	15,55	1,80
016 ROD 040 XXX XXX	13,75	40/1,00	15,75	2,00
016 ROD 044 XXX XXX	13,75	44/1,10	15,95	2,50
016 ROD 048 XXX XXX	13,75	48/1,20	16,15	3,00

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	67	81	91	97	111	129	147	170	206	249
2,00	51	61	68	73	84	97	110	127	155	180
4,00	35	41	46	49	56	65	74	86	104	117

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	70	84	95	101	116	135	153	176	214	259
2,00	53	63	71	76	87	101	116	134	163	190
4,00	36	42	48	51	59	68	78	90	110	123

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,5 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	74	89	100	107	123	143	162	187	227	275
2,00	56	67	75	80	93	108	124	143	175	204
4,00	38	45	51	54	63	73	84	97	119	133

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 ROD 032 XXX XXX	32/0,80	20-33	840 x 270	400	16,0	328	131200	5248,0
		40-120	840 x 270	400	15,0	328	131200	4920,0
016 ROD 036 XXX XXX	36/0,90	20-33	840 x 270	400	17,9	328	131200	5871,2
		40-120	840 x 270	400	16,9	328	131200	5543,2
016 ROD 040 XXX XXX	40/1,00	20-33	840 x 270	400	19,8	328	131200	6494,4
		40-120	840 x 270	400	18,8	328	131200	6166,4
016 ROD 044 XXX XXX	44/1,10	20-33	840 x 270	400	21,7	328	131200	7117,6
		40-120	840 x 270	400	20,7	328	131200	6789,6
016 ROD 048 XXX XXX	48/1,20	20-33	840 x 270	400	23,7	328	131200	7773,6
		40-120	840 x 270	400	22,7	328	131200	7445,6

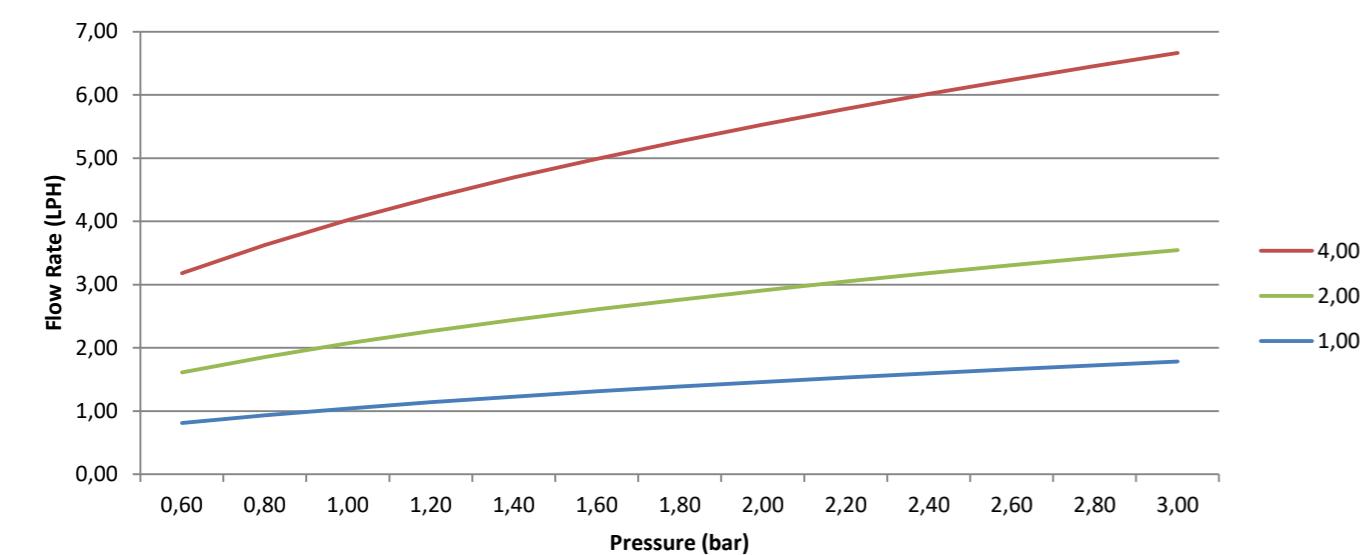
DRILINES ROD - 20 MM

DRILINES ROD - 20 MM

Dripper types

Nominal flow rate LPH (1 bar)	1,00	2,00	4,00
Flow constant <i>k</i>	1,04	2,07	4,02
Flow exponent <i>x</i> (*)	0,49	0,49	0,46
Flow equation $Q = kP^x$	$1,04 P^{0,49}$	$2,07 P^{0,49}$	$4,02 P^{0,46}$
Average CV % (1 bar)	4,32	4,14	4,07
Average flow variation % (1 bar)	2,81	2,62	2,54
Water passage dimensions			
width (mm)	0,65	0,76	1,28
depth (mm)	0,82	1,05	1,15
length (mm)	123 x 2	89 x 2	52 x 2
Filtration area mm ² x no of inlets	0,196 x 46	0,385 x 32	0,636 x 22
Required filtration micron/mesh	105/140	125/120	125/120

Flow rate vs. pressure



Nominal flow rate LPH (1 bar)	Pressure bar												
	0,60	0,80	1,00	1,20	1,40	1,60	1,80	2,00	2,20	2,40	2,60	2,80	3,00
1,00	0,81	0,93	1,04	1,14	1,23	1,31	1,39	1,46	1,53	1,60	1,66	1,72	1,78
2,00	1,61	1,86	2,07	2,26	2,44	2,61	2,76	2,91	3,05	3,18	3,31	3,43	3,55
4,00	3,18	3,63	4,02	4,37	4,69	4,99	5,27	5,53	5,78	6,01	6,24	6,46	6,66

Technical specifications

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
020 ROD 036 XXX XXX	17,50	36/0,90	19,30	1,50
020 ROD 040 XXX XXX	17,50	40/1,00	19,50	2,00
020 ROD 044 XXX XXX	17,50	44/1,10	19,70	2,00
020 ROD 048 XXX XXX	17,50	48/1,20	19,90	2,50

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	109	129	143	153	172	197	221	252	300	359
2,00	82	97	107	114	129	148	166	189	225	259
4,00	56	65	72	77	87	100	112	128	152	168

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	113	134	149	159	179	205	230	262	312	373
2,00	85	100	112	119	135	155	174	198	237	273
4,00	58	68	75	80	91	104	118	134	160	178

MAX RECOMMENDED LATERAL LENGTH (M)

- Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,5 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	120	142	158	168	190	217	244	277	330	395
2,00	91	107	118	126	144	165	186	212	255	294
4,00	62	72	80	85	97	111	126	144	172	191

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
020 ROD 036 XXX XXX	36/0,90	20-33	880 x 270	300	16,8	312	93600	5241,6
		40-120	880 x 270	300	15,8	312	93600	4929,6
020 ROD 040 XXX XXX	40/1,00	20-33	880 x 270	300	18,5	312	93600	5772,0
		40-120	880 x 270	300	17,5	312	93600	5460,0
020 ROD 044 XXX XXX	44/1,10	20-33	880 x 270	300	20,2	312	93600	6302,4
		40-120	880 x 270	300	19,2	312	93600	5990,4
020 ROD 048 XXX XXX	48/1,20	20-33	880 x 270	300	22,0	312	93600	6864,0
		40-120	880 x 270	300	21,0	312	93600	6552,0

APPLICATIONS

- Drip irrigation systems (as lateral pipe)
- Micro sprinkler applications in greenhouses

FEATURES

- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

16 MM TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 ROD 032 000 000	13,75	32/0,80	15,35	1,50
016 ROD 036 000 000	13,75	36/0,90	15,55	1,80
016 ROD 040 000 000	13,75	40/1,00	15,75	2,00
016 ROD 044 000 000	13,75	44/1,10	15,95	2,50
016 ROD 048 000 000	13,75	48/1,20	16,15	3,00

20 MM TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
020 ROD 036 000 000	17,50	36/0,90	19,30	1,50
020 ROD 040 000 000	17,50	40/1,00	19,50	2,00
020 ROD 044 000 000	17,50	44/1,10	19,70	2,00
020 ROD 048 000 000	17,50	48/1,20	19,90	2,50

16 MM LOADING INFO

Product code	Wall thickness mil/mm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
					Number of coils	Length m	Average weight kg
016 ROD 032 000 000	32/0,80	840 x 320	400	14,1	287	114800	4046,7
016 ROD 036 000 000	36/0,90	840 x 320	400	16,0	287	114800	4592,0
016 ROD 040 000 000	40/1,00	840 x 320	400	18,0	287	114800	5166,0
016 ROD 044 000 000	44/1,10	840 x 320	400	19,8	287	114800	5682,6
016 ROD 048 000 000	48/1,20	840 x 320	400	21,8	287	114800	6256,6

20 MM LOADING INFO

Product code	Wall thickness mil/mm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
					Number of coils	Length m	Average weight kg
020 ROD 036 000 000	36/0,90	840 x 320	300	14,7	273	81900	4013,1
020 ROD 040 000 000	40/1,00	840 x 320	300	16,6	273	81900	4531,8
020 ROD 044 000 000	44/1,10	840 x 320	300	18,4	273	81900	5023,2
020 ROD 048 000 000	48/1,20	840 x 320	300	20,2	273	81900	5514,6



FLAT TYPE PRESSURE COMPENSATED DRIPLINE

APPLICATIONS

- Sloping terrains
- Fruit crops
- Floriculture or Flower farming
- Olive trees
- Greenhouses
- Vineyards
- Vegetable crops
- Hard-shell products such as almonds, walnuts, pistachio



FEATURES

- Anti-siphon mechanism prevents clogging caused by soil suction to drippers at the end of the irrigation schedule. Due to this feature, FPC dripline is very ideal for sub-surface installations.
- Silicon diaphragm has a large housing to move freely
- Injected dripper with compact design and smooth inner surface that ensures low dripper friction factor
- Wide filtration area
- Filtration behind the silicon diaphragm prevents entering particles
- Compensation is provided by the cap not with a simple channel, with concave labyrinth design, which prevents clogging by forming turbulent flow
- Self-cleaning mechanism
- Wide water passage section to prevent clogging
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture
- ESC resistance is made according to ISO 8796

TECHNICAL INFO

Nominal diameter:

16 & 20 mm

Wall thickness:

12 mil (0,30 mm) - 24 mil (0,60 mm)

Nominal flow rates:

1,60 / 2,00 LPH

Dripper spacing:

20, 25, 30, 33, 40, 50, 60, 75, 100 & 120 cm

Pressure compensating range:

0,5 - 3,5 bar

Coil length*:

600 / 750 / 1000 m

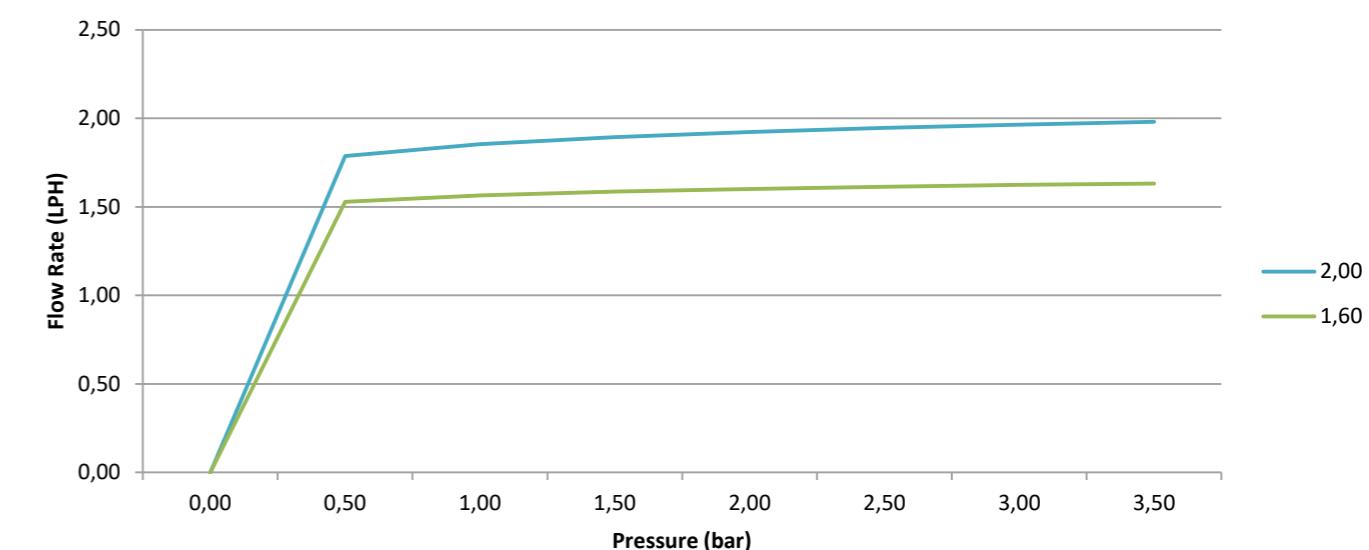
Related standards:

ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

DRIPPER TYPES

Nominal flow rate LPH	1,60	2,00
Average flow rate LPH (0,5-3,5 bar)	1,59	1,91
Flow constant k	1,564	1,853
Flow exponent x (*)	0,034	0,053
Flow equation $Q = kP^x$	$1,564 P^{0,034}$	$1,853 P^{0,053}$
Average CV % (0,5-3,5 bar)	3,329	3,807
Average flow variation % (0,5-3,5 bar)	2,379	3,425
Water passage dimensions		
width (mm)	0,74	0,74
depth (mm)	0,88	0,88
length (mm)	15	15
Filtration area mm ² x no of inlets	0,196 x 26	0,196 x 26
Required filtration micron/mesh	125/120	125/120

FLOW RATE VS. PRESSURE



Nominal flow rate LPH	Pressure bar							
	0,00	0,50	1,00	1,50	2,00	2,50	3,00	3,50
1,60	0,00	1,53	1,56	1,59	1,60	1,61	1,62	1,63
2,00	0,00	1,79	1,85	1,89	1,92	1,95	1,96	1,98

* Coil length changes according to diameter and wall thickness. Please see the loading info tables of each diameter for details.

DRILINES

FPC - 16 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 FPC 012 XXX XXX	16,00	12/0,30	16,60	1,50
016 FPC 014 XXX XXX	15,95	14/0,35	16,65	1,50
016 FPC 016 XXX XXX	15,95	16/0,40	16,75	1,80
016 FPC 020 XXX XXX	15,85	20/0,50	16,85	2,00
016 FPC 024 XXX XXX	15,85	24/0,60	17,05	2,00

MAX RECOMMENDED LATERAL LENGTH (M)

• 1,6 LPH

Dripper spacing cm	Inlet pressure bar					
	1	1,5	2	2,5	3	3,5
20	80	98	114	128	136	145
25	98	121	140	154	167	178
30	116	143	166	183	197	211
33	126	155	180	199	216	228
40	150	185	216	235	256	271
50	182	224	257	283	307	326
60	212	261	300	331	357	380
75	253	311	357	395	426	452
100	316	388	445	490	530	565
120	362	445	513	566	609	649
150	429	528	606	668	722	768
200	522	642	737	815	877	934

MAX RECOMMENDED LATERAL LENGTH (M)

• 2,0 LPH

Dripper spacing cm	Inlet pressure bar					
	1	1,5	2	2,5	3	3,5
20	69	85	98	110	118	125
25	85	104	121	132	144	153
30	100	124	143	158	170	182
33	109	134	155	171	186	196
40	129	159	186	202	220	234
50	157	193	222	244	265	281
60	183	225	259	286	308	327
75	218	268	308	341	368	390
100	272	335	384	423	457	487
120	312	384	442	488	525	560
150	370	455	522	576	622	662
200	450	554	636	702	756	805

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 FPC 012 XXX XXX	12/0,30	20-25	480 x 300	1000	18,2	992	99200	18054,4
		30-50	480 x 300	1000	17,0	992	99200	16864,0
016 FPC 014 XXX XXX	14/0,35	20-25	480 x 300	1000	20,8	992	99200	20633,6
		30-50	480 x 300	1000	19,5	992	99200	19344,0
016 FPC 016 XXX XXX	16/0,40	20-25	480 x 300	750	17,6	992	744000	17459,2
		30-50	480 x 300	750	16,6	992	744000	16467,2
016 FPC 020 XXX XXX	20/0,50	20-25	480 x 300	600	17,1	992	595200	16963,2
		30-50	480 x 300	600	16,4	992	595200	16268,8

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
020 FPC 012 XXX XXX	20,00	12/0,30	20,60	1,40
020 FPC 014 XXX XXX	20,00	14/0,35	20,70	1,40
020 FPC 016 XXX XXX	20,00	16/0,40	20,80	1,60
020 FPC 020 XXX XXX	20,00	20/0,50	21,00	1,80
020 FPC 024 XXX XXX	20,00	24/0,60	21,20	1,80

MAX RECOMMENDED LATERAL LENGTH (M)

• 1,6 LPH

Dripper spacing cm	Inlet pressure bar					
	1	1,5	2	2,5	3	3,5
20	121	149	172	193	206	219
25	148	182	211	232	253	269
30	176	216	250	276	297	318
33	191	235	271	300	326	344
40	227	279	326	355	386	409
50	276	339	388	428	464	493
60	320	394	454	501	540	574
75	381	469	540	597	644	683
100	477	587	673	740	800	852
120	547	673	774	855	920	980
150	649	798	915	1009	1090	1160
200	788	970	1113	1230	1324	1410

MAX RECOMMENDED LATERAL LENGTH (M)

• 2,0 LPH

Dripper spacing cm	Inlet pressure bar					
	1	1,5	2	2,5	3	3,5
20	104	128	148	166	178	189
25	128	157	182	200	218	231
30	152	187	216	238	256	274
33	164	202	234	258	281	297
40	195	240	281	306	333	353
50	238	292	335	369	400	425
60	276	339	391	431	465	494
75	329	405	465	515	555	589
100	411	506	580	638	690	735
120	471	580	667	737	793	845
150	559	688	789	870	939	1000
200	680	836	960	1061	1142	1216

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
020 FPC 016 XXX XXX	16/0,40	20-25	480 x 300	750	21,4	992	74400	21228,8
		30-50	480 x 300	750	20,4	992	74400	20236,8
020 FPC 020 XXX XXX	20/0,50	20-25	480 x 300	600	21,0	992	595200	20832,0
		30-50	480 x 300	600	20,3	992	595200	20137,6



ROUND TYPE PRESSURE COMPENSATED DRILINE

APPLICATIONS

- Sloping terrains
- Fruit crops
- Floriculture or Flower farming
- Olive trees
- Greenhouses
- Vineyards
- Vegetable crops
- Hard-shell products such as almonds, walnuts, pistachio



FEATURES

- Anti-siphon mechanism prevents clogging caused by soil suction to drippers at the end of the irrigation schedule. Due to this feature, RPC dripline is very ideal for sub-surface installations.
- Silicon diaphragm has a large housing to move freely
- Injected dripper with compact design and smooth inner surface that ensures low dripper friction factor
- Wide filtration area
- Filtration behind the silicon diaphragm prevents entering particles
- Compensation is provided by the cap not with a simple channel, with concave labyrinth design, which prevents clogging by forming turbulent flow
- Self-cleaning mechanism
- Wide water passage section to prevent clogging
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture
- ESC resistance is made according to ISO 8796

TECHNICAL INFO

Nominal diameter:

16 & 20 mm

Wall thickness:

36 mil (0,90 mm) - 48 mil (1,20 mm)

Nominal flow rates:

1,00 / 2,00 / 3,00 / 4,00 LPH

Dripper spacing:

20, 25, 30, 33, 40, 50, 60, 75, 100, 120, 150 & 200 cm

Pressure compensating range:

0,5 - 5,0 bar

Coil length*:

300 / 400 m

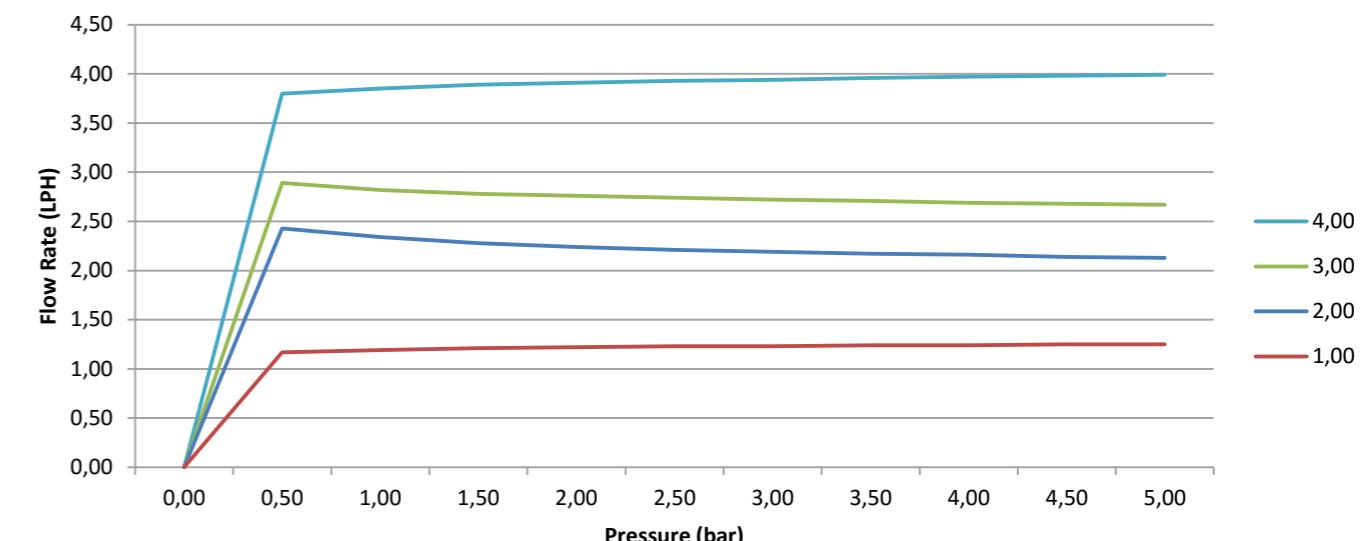
Related standards:

ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

DRIPPER TYPES

Nominal flow rate LPH	1,00	2,00	3,00	4,00
Average flow rate LPH (0,5-5,0 bar)	1,21	2,26	2,77	3,90
Flow constant k	1,192	2,335	2,822	3,853
Flow exponent x (*)	0,030	-0,058	-0,033	0,021
Flow equation $Q = kP^x$	$1,192 P^{0,030}$	$2,335 P^{-0,058}$	$2,822 P^{-0,033}$	$3,853 P^{0,021}$
Average CV % (0,5-5,0 bar)	3,088	4,203	2,996	3,752
Average flow variation % (0,5-5,0 bar)	2,576	3,909	3,671	1,767
Water passage dimensions				
width (mm)	0,76	1,28	1,28	1,70
depth (mm)	1,15	1,15	1,15	1,15
length (mm)	89	72	72	60
Filtration area mm ² x no of inlets	0,197 x 24	0,197 x 24	0,197 x 24	0,197 x 24
Required filtration micron/mesh	105/140	105/140	105/140	105/140

FLOW RATE VS. PRESSURE



Nominal flow rate LPH	Pressure bar										
	0,00	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
1,00	0,00	1,17	1,19	1,21	1,22	1,23	1,23	1,24	1,24	1,25	1,25
2,00	0,00	2,43	2,34	2,28	2,24	2,21	2,19	2,17	2,16	2,14	2,13
3,00	0,00	2,89	2,82	2,78	2,76	2,74	2,72	2,71	2,69	2,68	2,67
4,00	0,00	3,78	3,85	3,89	3,91	3,93	3,94	3,96	3,97	3,98	3,99

* Coil length changes according to diameter. Please see the loading info tables of each diameter for details.

DRILINES

RPC - 16 MM

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 RPC 036 XXX XXX	13,75	36/0,90	15,55	4,0
016 RPC 040 XXX XXX	13,75	40/1,00	15,75	4,5
016 RPC 044 XXX XXX	13,75	44/1,10	15,95	5,0
016 RPC 048 XXX XXX	13,75	48/1,20	16,15	5,0

MAX RECOMMENDED LATERAL LENGTH (M)

• 1,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	82	95	105	113	120	128	135	141
25	102	116	128	138	147	155	162	169
30	119	137	151	163	174	183	192	200
33	130	149	164	178	189	199	210	219
40	154	177	195	210	224	236	247	257
50	184	212	234	253	269	283	297	311
60	215	247	273	294	313	330	346	361
75	257	294	326	351	374	394	412	429
100	319	367	405	437	465	490	516	551
120	367	422	466	503	552	601	623	648
150	434	499	580	632	669	703	735	768
200	543	646	707	766	819	864	902	948

MAX RECOMMENDED LATERAL LENGTH (M)

• 2,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	57	66	74	79	84	90	94	98
25	70	81	89	97	103	109	114	119
30	83	96	106	114	122	128	134	140
33	90	104	115	125	132	139	146	153
40	107	125	136	148	157	166	174	180
50	130	149	164	178	189	200	208	218
60	151	174	192	207	220	232	243	252
75	180	207	229	247	262	277	289	303
100	225	258	284	307	327	344	360	377
120	258	297	328	353	376	396	415	433
150	306	351	387	418	445	470	491	511
200	372	427	472	508	541	571	597	631

MAX RECOMMENDED LATERAL LENGTH (M)

• 3,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	53	60	67	74	80	83	86	88
25	64	71	76	81	86	91	96	99
30	78	88	96	102	105	108	111	113
33	85	97	104	108	113	116	120	124
40	101	111	122	128	134	139	144	147
50	116	130	139	148	156	165	173	182
60	131	145	158	172	182	192	203	214
75	150	172	189	204	217	224	235	244
100	186	213	235	254	271	285	297	309
120	214	246	271	292	309	325	336	348
150	253	290	318	342	364	384	396	412
200	306	349	385	416	442	467	488	509

MAX RECOMMENDED LATERAL LENGTH (M)

• 4,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	37	45	50	54	58	61	64	66
25	49	55	60	66	71	75	78	81
30	56	65	73	78	83	88	92	96
33	61	72	79	85	91	97	102	107
40	75	85	94	101	107	113	118	122
50	89	103	113	123	130	137	142	147
60	104	120	132	142	151	159	166	172
75	125	143	158	171	182	191	198	207
100	156	179	198	213	227	239	249	259
120	180	207	229	247	263	275	286	296
150	211	242	267	288	307	324	336	348
200	263	302	333	359	383	403	423	436

DRILINES RPC - 16 MM

LOADING INFO

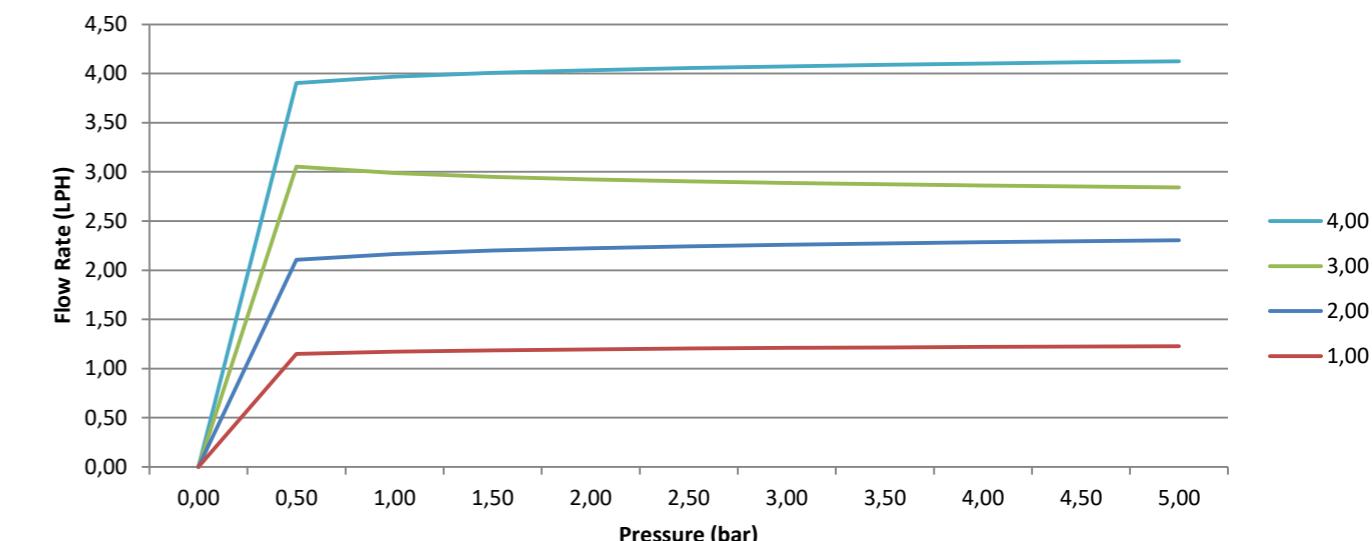
Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 RPC 036 XXX XXX	36/0,90	20-33	840 x 270	400	17,9	328	131200	5871,2
		40-200	840 x 270	400	16,9	328	131200	5543,2
016 RPC 040 XXX XXX	40/1,00	20-33	840 x 270	400	19,8	328	131200	6494,4
		40-200	840 x 270	400	18,8	328	131200	6166,4
016 RPC 044 XXX XXX	44/1,10	20-33	840 x 270	400	21,7	328	131200	7117,6
		40-200	840 x 270	400	20,7	328	131200	6789,6
016 RPC 048 XXX XXX	48/1,20	20-33	840 x 270	400	23,7	328	131200	7773,6
		40-200	840 x 270	400	22,7	328	131200	7445,6

DRILINES RPC - 20 MM

Dripper types

Nominal flow rate LPH	1,00	2,00	3,00	4,00
Average flow rate LPH (0,5-5,0 bar)	1,19	2,21	2,94	4,02
Flow constant k	1,173	2,165	2,988	3,968
Flow exponent x (*)	0,028	0,039	-0,031	0,024
Flow equation Q = kP*	1,173 P ^{0,028}	2,165 P ^{0,039}	2,988 P ^{-0,031}	3,968 P ^{0,024}
Average CV % (0,5-5,0 bar)	2,873	3,547	3,151	3,350
Average flow variation % (0,5-5,0 bar)	2,394	3,315	2,635	2,052
Water passage dimensions				
width (mm)	0,76	1,28	1,28	1,70
depth (mm)	1,15	1,15	1,15	1,15
length (mm)	89	72	72	60
Filtration area mm ² x no of inlets	0,197 x 24	0,197 x 24	0,197 x 24	0,197 x 24
Required filtration micron/mesh	105/140	105/140	105/140	105/140

FLOW RATE VS. PRESSURE



Nominal flow rate LPH	Pressure bar										
	0,00	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
1,00	0,00	1,15	1,17	1,19	1,20	1,20	1,21	1,21	1,22	1,22	1,23
2,00	0,00	2,11	2,17	2,20	2,22	2,24	2,26	2,27	2,29	2,30	2,31
3,00	0,00	3,05	2,99	2,95	2,92	2,90	2,89	2,87	2,86	2,85	2,84
4,00	0,00	3,90	3,97	4,01	4,03	4,06	4,07	4,09	4,10	4,11	4,12

TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
020 RPC 036 XXX XXX	17,50	36/0,90	19,30	3,50
020 RPC 040 XXX XXX	17,50	40/1,00	19,50	4,00
020 RPC 044 XXX XXX	17,50	44/1,10	19,70	4,50
020 RPC 048 XXX XXX	17,50	48/1,20	19,90	5,00

MAX RECOMMENDED LATERAL LENGTH (M)

• 1,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	130	151	167	179	190	203	214	224
25	162	184	203	219	233	246	257	268
30	189	217	240	259	276	290	305	317
33	206	236	260	282	300	316	333	347
40	244	281	309	333	355	374	392	408
50	292	336	371	401	427	449	471	493
60	341	392	433	466	496	523	549	573
75	408	466	517	557	593	625	654	680
100	506	582	642	693	738	777	818	874
120	582	669	739	798	876	953	988	1028
150	688	792	920	1002	1061	1115	1166	1218
200	861	1025	1121	1215	1299	1370	1431	1504

MAX RECOMMENDED LATERAL LENGTH (M)

• 2,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	91	105	118	126	134	144	150	156
25	112	129	142	155	164	174	182	190
30	132	153	169	182	195	204	214	223
33	144	166	183	199	211	222	233	244
40	171	199	217	236	250	265	278	287
50	207	238	262	284	302	319	332	348
60	241	278	306	330	351	370	388	402
75	287	330	365	394	418	442	461	483
100	359	412	453	490	522	549	574	601
120	412	474	523	563	600	632	662	691
150	488	560	617	667	710	750	783	815
200	593	681	753	810	863	911	952	1007

MAX RECOMMENDED LATERAL LENGTH (M)

• 3,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	78	88	98	109	118	122	126	129
25	94	104	112	119	126	134	141	146
30	115	129	141	150	154	159	163	166
33	125	143	153	159	166	170	176	182
40	148	163	179	188	197	204	212	216
50	170	191	204	218	229	243	254	268
60	193	213	232	253	268	282	298	315
75	220	253	278	300	319	329	345	359
100	273	313	345	373	398	419	437	454
120	315	362	398	429	454	478	494	511
150	372	426	467	503	535	564	582	606
200	450	513	566	611	650	686	717	748

MAX RECOMMENDED LATERAL LENGTH (M)

• 4,0 LPH

Dripper spacing cm	Inlet pressure bar							
	1,5	2	2,5	3	3,5	4	4,5	5
20	56	68	76	82	88	92	97	100
25	74	83	91	100	107	114	118	123
30	85	98	110	118	126	133	139	145
33	92	109	120	129	138	147	154	162
40	114	129	142	153	162	171	179	185
50	135	156	171	186	197	207	215	222
60	157	182	200	215	229	241	251	260
75	189	216	239	259	275	289	300	313
100	236	271	300	322	344	362	377	392
120	272	313	347	374	398	416	433	448
150	319	366	404	436	465	490	509	527
200	398	457	504	543	580	610	640	660

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
020 RPC 036 XXX XXX	36/0,90	20-33	880 x 270	300	16,8	312	93600	5241,6
		40-200	880 x 270	300	15,8	312	93600	4929,6
020 RPC 040 XXX XXX	40/1,00	20-33	880 x 270	300	18,5	312	93600	5772,0
		40-200	880 x 270	300	17,5	312	93600	5460,0
020 RPC 044 XXX XXX	44/1,10	20-33	880 x 270	300	20,2	312	93600	6302,4
		40-200	880 x 270	300	19,2	312	93600	5990,4
020 RPC 048 XXX XXX	48/1,20	20-3						



DRIP IRRIGATION FITTINGS

OFFTAKE CONNECTORS

MINI VALVES

COUPLINGS

END PLUGS

SEALING RUBBERS

DISTRIBUTORS

ACCESSORIES

DRIP IRRIGATION FITTINGS OFFTAKE CONNECTORS



OFFTAKE CONNECTOR WITH RING
Connects thin walled dripline to sealing rubber inserted outlet

Product code	Size	Bag quantity	Box quantity	Box weight
016 OFY C14 000 Y16	14 x 16 mm	50	1250	8,7 kg
016 OFY C16 000 Y16	16 x 16 mm	50	1000	7,9 kg
020 OFY C20 000 Y20	20 x 20 mm	50	750	7,1 kg
022 OFY C20 000 Y22	20 x 22 mm	50	550	7,0 kg
025 OFY C25 000 Y25	25 x 25 mm	50	400	6,4 kg



OFFTAKE CONNECTOR WITH NUT
Connects thin/medium walled dripline to sealing rubber inserted outlet

016 OFS C14 000 S16	14 x 16 mm	50	800	8,5 kg
016 OFS C16 000 S16	16 x 16 mm	50	600	6,2 kg
020 OFS C20 000 S20	20 x 20 mm	50	400	5,2 kg
022 OFS C20 000 S22	20 x 22 mm	50	350	5,2 kg
025 OFS C25 000 S25	25 x 25 mm	50	200	4,7 kg



BARBED OFFTAKE CONNECTOR
Connects thick walled dripline to sealing rubber inserted outlet

016 OFK C15 000 K16	15 x 16 mm	50	1200	5,5 kg
016 OFK C16 000 K16	16 x 16 mm	50	1200	5,6 kg
020 OFK C20 000 K20	20 x 20 mm	50	800	4,1 kg
025 OFK C25 000 K25	25 x 25 mm	50	500	5,0 kg



SELF-SEAL BARBED OFFTAKE CONNECTOR
Connects thick walled dripline to outlet w/o sealing rubber

016 OCK C16 D17 K16	16 x 16 mm	50	1200	7,2 kg
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MALE THREADDED OFFTAKE CONNECTOR
Obtains male thread from sealing rubber inserted outlet

020 OFM C20 000 M04	20 mm x 3/4"	50	600	7,1 kg
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LOCK TYPE OFFTAKE CONNECTOR
Connects medium/thick walled dripline to sealing rubber inserted outlet

016 OFG C20 000 G16	20 x 16 mm	25	350	9,4 kg
020 OFG C20 000 G20	20 x 20 mm	25	350	9,7 kg



MALE THREADDED OFFTAKE CONNECTOR WITH RING
Connects thin walled dripline to female threaded outlet

016 OFY M03 000 Y16	16 mm x 1/2"	50	800	7,9 kg
016 OFY M04 000 Y16	16 mm x 3/4"	50	550	7,0 kg
020 OFY M04 000 Y20	20 mm x 3/4"	50	450	6,7 kg
022 OFY M04 000 Y22	22 mm x 3/4"	50	450	7,0 kg



MALE THREADDED OFFTAKE CONNECTOR WITH NUT
Connects thin/medium walled dripline to female threaded outlet

016 OFS M03 000 S16	16 mm x 1/2"	50	600	7,2 kg
016 OFS M04 000 S16	16 mm x 3/4"	50	450	6,8 kg
020 OFS M04 000 S20	20 mm x 3/4"	50	350	5,5 kg
022 OFS M04 000 S22	22 mm x 3/4"	50	350	5,7 kg



MALE THREADDED LOCK TYPE OFFTAKE CONNECTOR
Connects medium/thick walled dripline to female threaded outlet

016 OMG M03 000 G16	16 mm x 1/2"	25	450	8,7 kg
016 OMG M04 000 G16	16 mm x 3/4"	25	350	9,3 kg
020 OMG M04 000 G20	20 mm x 3/4"	25	350	9,7 kg



LAY FLAT SPIRAL OFFTAKE CONNECTOR WITH RING
Connects thin walled dripline to lay flat main pipe

016 OFL P16 000 Y16	16 x 16 mm	50	550	8,3 kg
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LAY FLAT SPIRAL OFFTAKE CONNECTOR WITH NUT
Connects thin/medium walled dripline to lay flat main pipe

016 OFL P16 000 S16	16 x 16 mm	50	400	6,9 kg
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LAY FLAT SPIRAL OFFTAKE CONNECTOR WITH MALE NUT
Obtains male thread from lay flat main pipe

013 OFX P13 000 M04	13 mm x 3/4"	50	500	6,7 kg
018 OFX P18 000 M04	18 mm x 3/4"	50	500	6,7 kg



LAY FLAT SPIRAL OFFTAKE CONNECTOR WITH MALE NUT
Obtains male thread from lay flat main pipe

016 OFU P16 000 M04	16 mm x 3/4"	50	500	6,4 kg
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DRIP IRRIGATION FITTINGS OFFTAKE CONNECTORS



LAY FLAT OFFTAKE CONNECTOR WITH FEMALE NUT

Obtains female thread from lay flat main pipe

Product code	Size	Bag quantity	Box quantity	Box weight
013 OFX P13 000 F03	13 mm x 1/2"	50	500	8,0 kg
013 OFX P13 000 F04	13 mm x 3/4"	50	400	8,1 kg
018 OFX P18 000 F03	18 mm x 1/2"	50	500	8,0 kg
018 OFX P18 000 F04	18 mm x 3/4"	50	400	8,1 kg



LAY FLAT SPIRAL OFFTAKE CONNECTOR WITH FEMALE NUT

Obtains female thread from lay flat main pipe

016 OFU P16 000 F03	16 mm x 1/2"	50	500	7,7 kg
016 OFU P16 000 F04	16 mm x 3/4"	50	400	7,8 kg



LAY FLAT OFFTAKE MALE NUT

Obtains male thread from lay flat main pipe when connected with offtake bolt

012 ALS F03 000 M04	1/2" x 3/4"	50	750	6,6 kg
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LAY FLAT OFFTAKE FEMALE NUT

Obtains female thread from lay flat main pipe when connected with offtake bolt

012 ALS F03 000 F03	1/2" x 1/2"	50	750	8,5 kg
012 ALS F03 000 F04	1/2" x 3/4"	50	500	7,8 kg



LAY FLAT OFFTAKE BOLT

Obtains male/female thread from lay flat main pipe when connected with offtake nut

013 X13 P13 000 M03	13 mm x 1/2"	50	1700	7,9 kg
018 X18 P18 000 M03	18 mm x 1/2"	50	1500	7,1 kg



LAY FLAT SPIRAL OFFTAKE BOLT

Obtains male/female thread from lay flat main pipe when connected with offtake nut

016 U16 P16 000 M03	16 mm x 1/2"	50	1800	7,1 kg
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OFFTAKE MINI VALVE WITH RING

Used to turn off or regulate the water flow from sealing rubber inserted outlet to thin walled dripline

Product code	Size	Bag quantity	Box quantity	Box weight
016 VOY C14 000 Y16	14 x 16 mm	50	300	7,7 kg
016 VOY C16 000 Y16	16 x 16 mm	50	300	8,3 kg
022 VOY C20 000 Y22	20 x 22 mm	25	175	7,9 kg



OFFTAKE MINI VALVE WITH NUT

Used to turn off or regulate the water flow from sealing rubber inserted outlet to thin/medium walled dripline

016 VOS C14 000 S16	14 x 16 mm	50	250	6,4 kg
016 VOS C16 000 S16	16 x 16 mm	50	250	6,9 kg
020 VOS C20 000 S20	20 x 20 mm	25	150	6,5 kg
022 VOS C20 000 S22	20 x 22 mm	25	150	6,8 kg
025 VOS C25 000 S25	25 x 25 mm	25	100	6,3 kg



BARBED OFFTAKE MINI VALVE

Used to turn off or regulate the water flow from sealing rubber inserted outlet to thick walled dripline

016 VOK C16 000 K16	16 x 16 mm	50	300	6,7 kg
020 VOK C20 000 K20	20 x 20 mm	25	175	6,5 kg



SELF-SEAL BARBED OFFTAKE MINI VALVE

Used to turn off or regulate the water flow from outlet w/o sealing rubber to thick walled dripline

016 VCK C16 D17 K16	16 x 16 mm	50	300	7,5 kg
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BARBED MINI VALVE WITH NUT

Used to turn off or regulate the water flow from thick walled dripline to thin/medium walled dripline

016 VSK K16 000 S16	16 x 16 mm	50	250	6,7 kg
020 VSK K20 000 S20	20 x 20 mm	25	150	6,5 kg
022 VSK K20 000 S22	20 x 22 mm	25	150	6,9 kg
025 VSK K25 000 S25	25 x 25 mm	25	100	6,3 kg



BARBED MINI VALVE

Used to turn off or regulate the water flow between thick walled driplines

016 VKK K16 000 K16	16 x 16 mm	50	300	6,3 kg
020 VKK K20 000 K20	20 x 20 mm	25	175	6,4 kg

DRIP IRRIGATION FITTINGS MINI VALVES



MALE THREADED OFFTAKE MINI VALVE WITH NUT
Used to turn off or regulate the water flow from female threaded outlet to thin/medium walled dripline

Product code	Size	Bag quantity	Box quantity	Box weight
016 VSM M03 000 S16	16 mm x ½"	50	250	7,7 kg
020 VSM M04 000 S20	20 mm x ¾"	25	150	7,3 kg
022 VSM M04 000 S22	22 mm x ¾"	25	150	7,1 kg



LAY FLAT OFFTAKE MINI VALVE WITH NUT
Used to turn off or regulate the water flow from lay flat main pipe to thin/medium walled dripline

016 VOL X13 000 S16	13 x 16 mm	50	150	7,1 kg
016 VOL X18 000 S16	18 x 16 mm	50	150	7,1 kg
020 VOL X13 000 S20	13 x 20 mm	25	100	6,9 kg
020 VOL X18 000 S20	18 x 20 mm	25	100	6,9 kg
022 VOL X13 000 S22	13 x 22 mm	25	100	6,9 kg
022 VOL X18 000 S22	18 x 22 mm	25	100	6,9 kg



LAY FLAT SPIRAL OFFTAKE MINI VALVE WITH NUT
Used to turn off or regulate the water flow from lay flat main pipe to thin/medium walled dripline

016 VOL U16 000 S16	16 x 16 mm	50	150	7,1 kg
020 VOL U16 000 S20	16 x 20 mm	25	100	6,9 kg
022 VOL U16 000 S22	16 x 22 mm	25	100	6,9 kg



MALE THREADED MINI VALVE
Provides a turn off or water regulation with a combination of male threads

016 VMM M03 000 M03	16 mm x ½"	50	300	8,0 kg
016 VMM M04 000 M04	16 mm x ¾"	25	250	7,8 kg
020 VMM M04 000 M04	20 mm x ¾"	25	175	6,4 kg



MALE THREADED LOCK TYPE OFFTAKE MINI VALVE
Used to turn off or regulate the water flow from female threaded outlets to medium/thick walled driplines

016 VMG M03 000 G16	16 mm x ½"	25	200	7,7 kg
016 VMG M04 000 G16	16 mm x ¾"	25	175	8,1 kg
020 VMG M04 000 G20	20 mm x ¾"	25	125	6,7 kg



LOCK TYPE MINI VALVE
Used to turn off or regulate the water flow between medium/thick walled driplines

016 VGG G16 000 G16	16 x 16 mm	25	150	7,5 kg
020 VGG G20 000 G20	20 x 20 mm	25	100	7,0 kg

DRIP IRRIGATION FITTINGS MINI VALVES



LOCK TYPE REDUCTION MINI VALVE
Used to turn off or regulate the water flow between medium/thick walled driplines of different sizes

Product code	Size	Bag quantity	Box quantity	Box weight
020 VGG G20 000 G16	20 x 16 mm	25	125	7,9 kg



TEE OFFTAKE MINI VALVE WITH RING
Used to turn off or regulate 2-way water flow from sealing rubber inserted outlet to thin walled driplines

016 VTY Y16 C16 Y16	16 x 16 mm	25	150	7,3 kg
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TEE OFFTAKE MINI VALVE WITH NUT
Used to turn off or regulate 2-way water flow from sealing rubber inserted outlet to thin/medium walled driplines

016 VTS S16 C16 S16	16 x 16 mm	25	125	6,7 kg
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TEE MINI VALVE WITH RING
Used to turn off or regulate 2-way water flow between thin walled driplines

016 VTY Y16 Y16 Y16	16 x 16 mm	25	150	7,6 kg
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TEE MINI VALVE WITH NUT
Used to turn off or regulate 2-way water flow between thin/medium walled driplines

016 VTS S16 S16 S16	16 x 16 mm	25	100	5,9 kg
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MALE THREADTEE OFFTAKE MINI VALVE WITH RING
Used to turn off or regulate 2-way water flow from female threaded outlet to thin walled driplines

016 VTY Y16 M03 Y16	16 mm x ½"	25	150	7,3 kg
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MALE THREADTEE OFFTAKE MINI VALVE WITH NUT
Used to turn off or regulate 2-way water flow from female threaded outlet to thin/medium walled driplines

016 VTS S16 M03 S16	16 mm x ½"	25	125	6,7 kg
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DRIP IRRIGATION FITTINGS COUPLINGS



COUPLING WITH RING
Joins thin walled driplines

Product code	Size	Bag quantity	Box quantity	Box weight
016 EKY Y16 000 Y16	16 x 16 mm	50	750	8,2 kg
020 EKY Y20 000 Y20	20 x 20 mm	50	600	7,5 kg
022 EKY Y22 000 Y22	22 x 22 mm	50	400	7,2 kg
025 EKY Y25 000 Y25	25 x 25 mm	50	300	7,0 kg



COUPLING WITH NUT
Joins thin/medium walled driplines

016 EKS S16 000 S16	16 x 16 mm	50	400	6,3 kg
020 EKS S20 000 S20	20 x 20 mm	50	250	4,8 kg
022 EKS S22 000 S22	22 x 22 mm	50	250	5,3 kg
025 EKS S25 000 S25	25 x 25 mm	50	150	5,0 kg



BARBED COUPLING
Joins thick walled driplines

016 EKK K16 000 K16	16 x 16 mm	50	1200	4,6 kg
020 EKK K20 000 K20	20 x 20 mm	50	800	3,3 kg



BARBED COUPLING WITH RING
Joins thick walled dripline to thin walled dripline

016 EKA Y16 000 K16	16 x 16 mm	50	900	6,9 kg
020 EKA Y20 000 K20	20 x 20 mm	50	750	6,2 kg
022 EKA Y22 000 K20	22 x 20 mm	50	550	6,8 kg
025 EKA Y25 000 K25	25 x 25 mm	50	350	5,9 kg



BARBED COUPLING WITH NUT
Joins thick walled dripline to thin/medium walled dripline

016 EKA S16 000 K16	16 x 16 mm	50	600	6,1 kg
020 EKA S20 000 K20	20 x 20 mm	50	400	4,8 kg
022 EKA S22 000 K20	22 x 20 mm	50	350	4,9 kg
025 EKA S25 000 K25	25 x 25 mm	50	200	4,8 kg



MALE THREADED COUPLING
Provides a connection with a combination of male threads

016 EMM M03 000 M03	½" x ½"	50	1000	8,0 kg
020 EMM M04 000 M04	¾" x ¾"	50	600	7,1 kg



LOCK TYPE COUPLING
Joins medium/thick walled driplines

Product code	Size	Bag quantity	Box quantity	Box weight
016 EKG G16 000 G16	16 x 16 mm	50	250	7,7 kg
020 EKG G20 000 G20	20 x 20 mm	25	150	7,1 kg



LOCK TYPE REDUCTION COUPLING
Joins medium/thick walled driplines of different sizes

020 EKG G20 000 G16	20 x 16 mm	25	150	7,3 kg
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BARBED ELBOW COUPLING
Creates a corner in thick walled driplines

016 DKK K16 000 K16	16 x 16 mm	50	1000	4,1 kg
020 DKK K20 000 K20	20 x 20 mm	50	600	3,5 kg



MALE THREADED BARBED ELBOW COUPLING
Provides a bend with a male thread in thick walled driplines

016 DMK M03 000 K16	16 mm x ½"	50	600	5,1 kg
016 DMK M04 000 K16	16 mm x ¾"	25	500	6,8 kg
020 DMK M03 000 K20	20 mm x ½"	25	500	5,0 kg
020 DMK M04 000 K20	20 mm x ¾"	25	400	5,5 kg



BARBED TEE COUPLING
Provides a branch in thick walled driplines

016 TEK K16 K16 K16	16 x 16 mm	50	750	4,4 kg
020 TEK K20 K20 K20	20 x 20 mm	50	450	3,8 kg



BARBED REDUCTION TEE COUPLING
Provides a branch in thick walled driplines of different sizes

020 TEK K20 K16 K20	20 x 16 mm	50	450	3,9 kg
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MALE THREADED ELBOW
Provides a bend with a combination of male threads

020 DMM M04 000 M04	¾" x ¾"	25	250	5,6 kg
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DRIP IRRIGATION FITTINGS COUPLINGS



MALE THREADED TEE
Provides a branch with a combination of male threads

Product code	Size	Bag quantity	Box quantity	Box weight
020 TMM M04 M04 M04	¾" x ¾"	25	200	4,6 kg



LOCK TYPE ELBOW
Creates a corner in medium/thick walled driplines

016 DGG G16 000 G16	16 x 16 mm	25	150	7,8 kg
020 DGG G20 000 G20	20 x 20 mm	25	150	8,1 kg



LOCK TYPE REDUCTION ELBOW
Creates a corner in medium/thick walled driplines of different sizes

020 DGG G20 000 G16	20 x 16 mm	25	150	7,9 kg
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LOCK TYPE TEE
Provides a branch in medium/thick walled driplines

016 TGG G16 G16 G16	16 x 16 mm	25	100	6,8 kg
020 TGG G20 G20 G20	20 x 20 mm	25	100	7,1 kg



LOCK TYPE REDUCTION TEE
Provides a branch in medium/thick walled driplines of different sizes

020 TGG G20 G16 G20	20 x 16 mm	25	100	7,0 kg
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DRIP IRRIGATION FITTINGS END PLUGS



END PLUG WITH RING
Closes the end of thin walled dripline

Product code	Size	Bag quantity	Box quantity	Box weight
016 KTY Y16 000 000	16 mm	50	1400	8,7 kg
020 KTY Y20 000 000	20 mm	50	750	6,4 kg
022 KTY Y22 000 000	22 mm	50	700	7,5 kg
025 KTY Y25 000 000	25 mm	50	500	7,1 kg



END PLUG WITH NUT
Closes the end of thin/medium walled dripline

016 KTS S16 000 000	16 mm	50	600	7,0 kg
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BARBED END PLUG
Closes the end of thick walled dripline

016 KTK K16 000 000	16 mm	50	1000	5,2 kg
020 KTK K20 000 000	20 mm	50	750	4,9 kg



BARBED END PLUG WITH FLAT PRESS
Closes the end of thick walled dripline

016 KTF K16 000 000	16 mm	100	2000	6,1 kg
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GLASSES TYPE END PLUG
Closes the end of thick walled dripline with a fold

016 KTG 016 000 016	16 x 16 mm	100	2000	5,3 kg
020 KTG 020 000 020	20 x 20 mm	50	1000	5,0 kg



LOCK TYPE END PLUG
Closes the end of medium/thick walled dripline

016 KGG G16 000 000	16 mm	25	500	9,7 kg
020 KGG G20 000 000	20 mm	25	400	11,0 kg



CONICAL OFFTAKE CLOSURE RUBBER
Used for hole closure in pe main pipe

016 OFC D19 000 000	16 mm	50	2000	13,2 kg
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DRIP IRRIGATION FITTINGS END PLUGS



OFFTAKE CLOSURE PLUG
Closes sealing rubber inserted outlet

Product code	Size	Bag quantity	Box quantity	Box weight
016 OFP C16 000 000	16 mm	100	2000	7,1 kg



FEMALE THREADED LAY FLAT OFFTAKE CLOSURE PLUG
Closes offtake bolt inserted outlet in lay flat main pipe

012 KDF F03 000 000	½"	50	750	7,6 kg
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MALE THREADED END PLUG
Closes the end of female threaded outlet

016 KTM M03 000 000	½"	50	1000	7,5 kg
020 KTM M04 000 000	¾"	50	1000	8,4 kg
025 KTM M10 000 000	1"	50	500	5,6 kg

DRIP IRRIGATION FITTINGS SEALING RUBBERS



GROOVED SEALING RUBBER
Used to connect offtake connector to pe main pipe

Product code	Size	Bag quantity	Box quantity	Box weight
016 COC D19 000 C16	16 mm	50	2400	8,7 kg
020 COC D22 000 C20	20 mm	50	1800	7,9 kg



STRAIGHT SEALING RUBBER
Used to connect offtake connector to pe main pipe

016 COS D14 000 C14	14 mm	50	4000	7,7 kg
016 COS D19 000 C16	16 mm	50	2400	7,6 kg
020 COS D22 000 C20	20 mm	50	1500	6,9 kg
025 COS D26 000 C25	25 mm	50	1200	7,0 kg



CONICAL SEALING RUBBER
Used to connect offtake connector to pe main pipe

016 COT D16 000 C15	15 mm	50	2400	6,9 kg
016 COT D19 000 C16	16 mm	50	2400	7,1 kg

DRIP IRRIGATION FITTINGS DISTRIBUTORS



**FEMALE THREADED
2-WAY DISTRIBUTOR
WITH NUT**

Provides a 2-way branch with female thread in thin/medium walled driplines

Product code	Size	Bag quantity	Box quantity	Box weight
016 Q2S F04 002 S16	16 mm x ¾"	25	200	6,0 kg
016 Q2S F10 002 S16	16 mm x 1"	25	150	4,9 kg



**FEMALE THREADED
4-WAY DISTRIBUTOR
WITH NUT**

Provides a 4-way branch with female thread in thin/medium walled driplines

016 Q4S F04 004 S16	16 mm x ¾"	25	100	4,7 kg
016 Q4S F10 004 S16	16 mm x 1"	25	100	4,9 kg



**FEMALE THREADED
2-WAY BARBED
DISTRIBUTOR**

Provides a 2-way branch with female thread in thick walled driplines

016 Q2K F10 002 K16	16 mm x 1"	25	250	4,8 kg
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**FEMALE THREADED
4-WAY BARBED
DISTRIBUTOR**

Provides a 4-way branch with female thread in thick walled driplines

016 Q4K F10 004 K16	16 mm x 1"	25	200	4,5 kg
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Product code	Size	Bag quantity	Box quantity	Box weight
016 Q2S F04 002 S16	16 mm x ¾"	25	200	6,0 kg
016 Q2S F10 002 S16	16 mm x 1"	25	150	4,9 kg
016 Q4S F04 004 S16	16 mm x ¾"	25	100	4,7 kg
016 Q4S F10 004 S16	16 mm x 1"	25	100	4,9 kg
016 Q2K F10 002 K16	16 mm x 1"	25	250	4,8 kg
016 Q4K F10 004 K16	16 mm x 1"	25	200	4,5 kg



SAND FILTER

Provides water purification from sealing rubber inserted outlet

Product code	Size	Bag quantity	Box quantity	Box weight
020 MFL C20 000 000	20 mm	25	100	5,1 kg



**MALE THREADED SAND
FILTER**

Provides water purification from female threaded outlet

020 MFL M04 000 000	¾"	25	100	4,9 kg
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PIPE HANGER

Used to hang medium/thick walled driplines

016 WRO 000 000 000	16 mm	100	2400	6,1 kg
020 WRO 000 000 000	20 mm	100	2000	6,4 kg



PIPE ANCHOR

Used to fix medium/thick walled driplines

150 ANC 000 000 000	150 mm	300	300	4,8 kg
225 ANC 000 000 000	225 mm	225	225	4,9 kg
300 ANC 000 000 000	300 mm	175	175	5,2 kg



PIPE RATCHET CLIP

Used on barbed fittings to ensure secure connection

016 CLP 000 000 000	16 mm	100	4000	7,2 kg
020 CLP 000 000 000	20 mm	100	3000	8,2 kg



LOCKING NUT

Screwed onto male thread to tighten locking adaptor attached medium/thick walled dripline for secure connection

016 GSV F03 000 016	16 mm x ½"	50	850	7,4 kg
016 GSV F04 000 016	16 mm x ¾"	50	700	7,6 kg
020 GSV F04 000 020	20 mm x ¾"	50	600	6,6 kg



LOCKING ADAPTOR

Attached into medium/thick walled dripline and tightened with locking nut for secure connection

016 GAV G16 000 K16	16 x 16 mm	100	3000	8,3 kg
016 GAV G20 000 K16	20 x 16 mm	50	2250	9,5 kg
020 GAV G20 000 K20	20 x 20 mm	50	2100	11,0 kg



NUT

Screwed onto male thread to tighten thin/medium walled dripline

016 SSS S16 000 S16	16 mm	50	2000	7,3 kg
020 SSS S20 000 S20	20 mm	50	1500	5,2 kg
022 SSS S22 000 S22	22 mm	50	1300	4,9 kg
025 SSS S25 000 S25	25 mm	50	750	4,5 kg

TECHNICAL INFORMATION

INDEX BASED ON CONNECTION TYPE

FITTINGS WITH RING

Thin walled driplines

6 mil (0,15 mm) - 20 mil (0,50 mm)

Body (Connector): PP

Black -- 16, 20 & 25 mm

Gray -- 22 mm

Body (Mini Valve): Glass fiber-reinforced PP

Black -- 16 & 22 mm

Ring: Delrin

Blue -- 16, 20 & 25 mm

Green -- 22 mm

Lever (Mini Valve): Glass fiber-reinforced PP

Blue -- 16 mm

Green -- 22 mm

Thread:

BSP

Max Working Pressure:

5 bar

FITTINGS WITH BARB END

Thick walled driplines

36 mil (0,90 mm) - 48 mil (1,20 mm)

Body (Connector): PP

Black -- 16 & 20 mm

Body (Mini Valve): Glass fiber-reinforced PP

Black -- 16 & 20 mm

Lever (Mini Valve): Glass fiber-reinforced PP

Blue -- 16 & 20 mm

Thread:

BSP

Max Working Pressure:

5 bar

FITTINGS WITH RING

Offtake Connector with Ring

Male Threaded Offtake Connector with Ring

Lay Flat Spiral Offtake Connector with Ring

Offtake Mini Valve with Ring

Tee Offtake Mini Valve with Ring

Tee Mini Valve with Ring

Male Threaded Tee Offtake Mini Valve with Ring

Coupling with Ring

End Plug with Ring

TRANSITION FITTINGS

Barbed Mini Valve with Nut

Barbed Coupling with Ring

Barbed Coupling with Nut

FITTINGS WITH NUT

Thin/medium walled driplines

6 mil (0,15 mm) - 32 mil (0,80 mm)

Body (Connector): PP

Black -- 16, 20 & 25 mm

Gray -- 22 mm

Body (Mini Valve): Glass fiber-reinforced PP

Black -- 16, 20, 22 & 25 mm

Nut: ABS

Black -- 16, 20 & 25 mm

Green -- 22 mm

Lever (Mini Valve): Glass fiber-reinforced PP

Blue -- 16, 20 & 25 mm

Green -- 22 mm

Thread:

BSP

Max Working Pressure:

5 bar

LOCK TYPE FITTINGS

Medium/thick walled driplines

24 mil (0,60 mm) - 48 mil (1,20 mm)

Body (Connector): PP

Black -- 1/2" & 3/4"

Body (Mini Valve): Glass fiber-reinforced PP

Black -- 1/2" & 3/4"

Locking Nut: ABS

Black -- 16 mm x 1/2", 16 mm x 3/4" & 20 mm x 3/4"

Locking Adaptor: Delrin

Green -- 16 x 16 mm

Gray -- 20 x 16 mm

Blue -- 20 x 20 mm

Lever (Mini Valve): Glass fiber-reinforced PP

Blue -- 16 & 20 mm

Thread:

BSP

Max Working Pressure:

5 bar

FITTINGS WITH NUT

Offtake Connector with Nut

Male Threaded Offtake Connector with Nut

Lay Flat Spiral Offtake Connector with Nut

Offtake Mini Valve with Nut

Male Threaded Offtake Mini Valve with Nut

Lay Flat Offtake Mini Valve with Nut

Lay Flat Spiral Offtake Mini Valve with Nut

Tee Offtake Mini Valve with Nut

Tee Mini Valve with Nut

Male Threaded Tee Offtake Mini Valve with Nut

Coupling with Nut

End Plug with Nut

Female Threaded 2-Way Distributor with Nut

Female Threaded 4-Way Distributor with Nut

LOCK TYPE FITTINGS

Lock Type Offtake Connector

Male Threaded Lock Type Offtake Connector

Male Threaded Lock Type Offtake Mini Valve

Lock Type Mini Valve

Lock Type Reduction Mini Valve

Lock Type Coupling

Lock Type Reduction Coupling

Lock Type Elbow

Lock Type Reduction Elbow

Lock Type Tee

Lock Type Reduction Tee

Lock Type End Plug

FITTINGS WITH BARB END

Barbed Offtake Connector

Self-Seal Barbed Offtake Connector

Barbed Offtake Mini Valve

Self-Seal Barbed Offtake Mini Valve

Barbed Mini Valve

Barbed Coupling

Barbed Elbow Coupling

Male Threaded Barbed Elbow Coupling

Barbed Tee Coupling

Barbed Reduction Tee Coupling

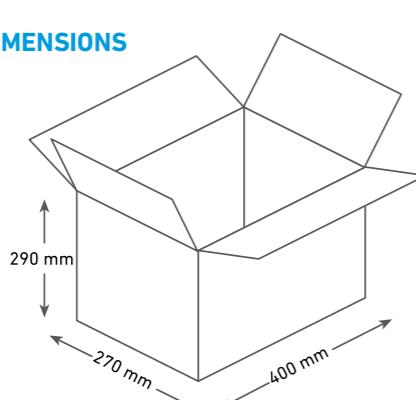
Barbed End Plug

Barbed End Plug with Flat Press

Female Threaded 2-Way Barbed Distributor

Female Threaded 4-Way Barbed Distributor

BOX DIMENSIONS





ON LINE DIPPERS

KATIF ON LINE Dripper with
CONSTANT FLOW
ON LINE Dripper with
ADJUSTABLE FLOW

ON LINE DRIPPERS

KATIF ON LINE DRIPPER WITH CONSTANT FLOW



APPLICATIONS

- Fruit crops
- Olive trees
- Greenhouses
- Row crops
- Field crops

FEATURES

- Long life
- Easy connection
- Can be removed from the pipe easily when needed
- Wide filtration area
- Low profile, constant flow
- Wide water passage section to prevent clogging
- Self-cleaning mechanism
- Injected dripper with compact design
- Very low CV value
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal flow rates:

Black : 2,30 LPH

Red : 3,75 LPH

Green: 8,40 LPH

Working pressure:

0,8 - 3,0 bar

Related standards:

ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

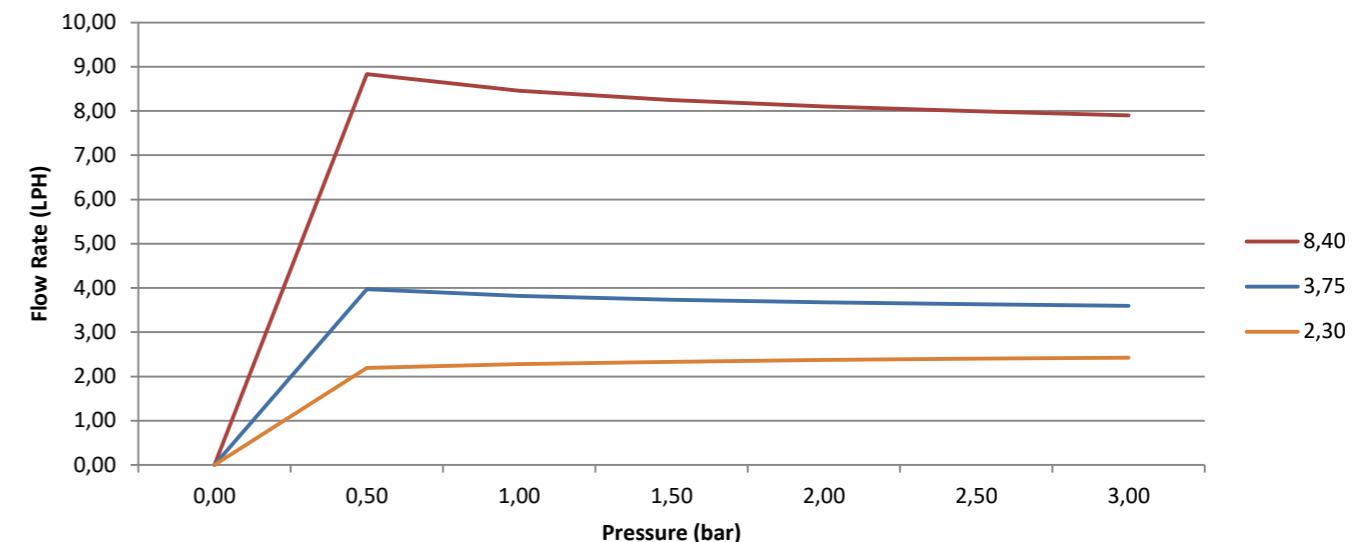
ON LINE DRIPPERS

KATIF ON LINE DRIPPER WITH CONSTANT FLOW

DRIPPER TYPES

Nominal flow rate LPH	2,00	4,00	8,00
Average flow rate LPH (0,5-3,0 bar)	2,30	3,75	8,40
Flow constant <i>k</i>	2,28	3,82	8,46
Flow exponent <i>x</i> (*)	0,056	-0,055	-0,062
Flow equation $Q = kP^x$	$2,28 P^{0,056}$	$3,82 P^{-0,055}$	$8,46 P^{-0,062}$
Average CV % (0,5-3,0 bar)	4,63	3,81	5,98
Average flow variation % (0,5-3,0 bar)	1,78	1,52	1,83
Required filtration micron/mesh	125/120	125/120	125/120

FLOW RATE VS. PRESSURE



Flow rate LPH	Pressure bar						
	0,00	0,50	1,00	1,50	2,00	2,50	3,00
2,30	0,00	2,19	2,28	2,33	2,37	2,40	2,42
3,75	0,00	3,97	3,82	3,74	3,68	3,63	3,60
8,40	0,00	8,83	8,46	8,25	8,10	7,99	7,90

ON LINE DRIPPERS

KATIF ON LINE DRIPPER WITH CONSTANT FLOW

TECHNICAL SPECIFICATIONS

Product code	Flow rate LPH	Bag quantity	Box quantity	Box weight kg
002 ONC D04 000 000	2,30	50	1000	7,4
004 ONC D04 000 000	3,75	50	1000	7,9
008 ONC D04 000 000	8,40	50	750	7,1

MAX RECOMMENDED LATERAL LENGTH (M)

Nozzle color & Flow rate LPH	Dripper spacing cm	ID 13,75 mm Inlet pressure bar			ID 17,5 mm Inlet pressure bar		
		1	2	3	1	2	3
Black 2,30	33	49	91	110	86	162	197
	50	70	129	156	117	223	271
	75	95	178	216	158	299	365
	100	117	222	270	193	366	448
	125	138	263	320	225	428	523
Red 3,75	50	50	93	111	86	162	193
	75	69	129	154	114	218	260
	100	86	161	192	140	268	320
	125	102	191	228	163	312	374
Green 8,40	50	30	57	70	51	95	118
	75	41	78	97	68	128	159
	100	51	97	120	83	157	195
	125	60	114	141	96	184	229
	150	69	131	162	110	209	260

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ON LINE DRIPPERS

ON LINE DRIPPER WITH ADJUSTABLE FLOW

APPLICATIONS

- Fruit crops
- Olive trees
- Greenhouses
- Row crops
- Field crops

FEATURES

- Long life
- Easy connection
- Can be removed from the pipe easily when needed
- Wide filtration area
- Adjustable flow
- Wide water passage section to prevent clogging
- Injected dripper with compact design
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal flow rates (1 bar):

70 / 100 LPH

Related standards:

ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

TECHNICAL SPECIFICATIONS

Product code	Flow rate LPH	Bag quantity	Box quantity	Box weight kg
070 ONA D03 000 000	70	50	1000	7,4
100 ONA D03 000 000	100	50	1000	7,9



MICRO IRRIGATION

EMITTERS

FITTINGS

MICRO IRRIGATION EMITTERS


STAKE DRIPPER

Screwed directly into rod series blank pipe
Nominal flow rate:
4,0 lph
Working pressure:
1,0-2,0 bar

Product code	Size	Bag quantity	Box quantity	Box weight
004 STS 004 007 000	4 x 7 mm	20	300	7,7 kg


SINGLE MIST Emitter

Screwed directly into rod series blank pipe
Nominal flow rate:
3,0 lph
Working pressure:
4,0-5,0 bar

003 M1E 004 000 000	4 mm	100	5000	13,0 kg
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DOUBLE MIST Emitter

Inserted into perforated rod series blank pipe
Nominal flow rate:
6,0 lph
Working pressure:
4,0-5,0 bar

006 M2E D03 K07 000	7 mm	200	200	11,2 kg
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QUAD MIST Emitter

Inserted into perforated rod series blank pipe
Nominal flow rate:
12,0 lph
Working pressure:
4,0-5,0 bar

012 M4E D03 K07 000	7 mm	200	200	12,0 kg
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FIXED ANGLE SPRAY NOZZLE

Screwed directly into rigid micro-tube or rod series blank pipe
Nominal flow rate:
120 lph
Working pressure:
1,0-1,2 bar

120 SPN 004 090 000	4 mm x 90°	500	25000	14,1 kg
120 SPN 004 180 000	4 mm x 180°	500	25000	14,1 kg
120 SPN 004 360 000	4 mm x 360°	500	25000	14,1 kg


FIXED ANGLE SPRAYER

Screwed directly into rod series blank pipe
Nominal flow rate:
120 lph
Working pressure:
1,0-1,2 bar

120 SPS 004 090 000	4 mm x 90°	500	1500	7,6 kg
120 SPS 004 180 000	4 mm x 180°	500	1500	7,6 kg
120 SPS 004 360 000	4 mm x 360°	500	1500	7,6 kg


BARBED OFFTAKE ADAPTOR WITH SCREW END

Provides barb-end by screwing directly into rod series blank pipe

Product code	Size	Bag quantity	Box quantity	Box weight
007 BOA 004 000 K07	7 mm	1000	30000	14,9 kg


OFFTAKE ADAPTOR WITH SCREW END

Provides screw end by screwing directly into rod series blank pipe

007 SOA 004 000 007	7 mm	500	25000	15,0 kg
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BARBED MALE ADAPTOR

Provides male press end from micro-tube or perforated rod series blank pipe

007 BMA D03 K07 007	7 mm	500	15000	12,6 kg
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BARBED FEMALE ADAPTOR

Provides female press end from micro-tube or perforated rod series blank pipe

007 BFA D03 K07 007	7 mm	500	9000	12,6 kg
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BARBED COUPLING

Joins micro-tubes or provides barb-end from perforated rod series blank pipe

007 EKK D03 K07 K07	7 mm	500	15000	10,1 kg
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BARBED TEE COUPLING

Provides a branch in micro-tubes

007 TEK K07 K07 K07	7 mm	100	4500	11,1 kg
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BARBED CLOSURE PLUG

Closes perforated outlet

007 OFP D03 K07 000	7 mm	500	22000	16,5 kg
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MISTING CHECK VALVE

Allows water flow in only one direction

007 CVA 007 000 007	7 mm			
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MICRO-TUBE WEIGHT

Keeps micro-tubes in balance

007 PWE 009 030 050	7 mm			
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MICRO-TUBE

Used to connect micro sprinklers, mist emitters and drippers located away from main pipe

007 TUB 100 000 000	7mm x 100m			
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SPRINKLER IRRIGATION

PIPES
FITTINGS
ACCESSORIES

MYB SERIES - SPRINKLER IRRIGATION PIPE WITH LATCH

APPLICATIONS

- Alfalfa
- Beet
- Potato
- Carrot
- Onion
- Chickpeas
- Grassland
- Corn
- Cotton
- Cereals
- Wheat
- Sunflower
- Garlic
- Tea



FEATURES

- Unbreakable
- Lightweight and flexible
- Easy to install and remove
- Easy to carry
- Compatible with other sprinkler systems
- High UV resistance
- Reliable sealing system

TECHNICAL INFO

Nominal flow rates: 50, 63, 75, 90 & 110 mm

Length: 5 & 6 m

Material: PE 100

Nominal pressure: 6 bar

MYB - 5 M TECHNICAL SPECIFICATIONS

Product code	Size	Reinforcing ring	Length	Nominal pressure
050 MYB 005 100 006	50 mm	●	5 m	6 bar
063 MYB 005 100 006	63 mm	●	5 m	6 bar
075 MYB 005 100 006	75 mm	●	5 m	6 bar
075 MYB C05 100 006	75 mm	●	5 m	6 bar
090 MYB 005 100 006	90 mm	●	5 m	6 bar
090 MYB C05 100 006	90 mm	●	5 m	6 bar
110 MYB C05 100 006	110 mm	●	5 m	6 bar

MYB - 6 M TECHNICAL SPECIFICATIONS

Product code	Size	Reinforcing ring	Length	Nominal pressure
050 MYB 006 100 006	50 mm	●	6 m	6 bar
063 MYB 006 100 006	63 mm	●	6 m	6 bar
075 MYB 006 100 006	75 mm	●	6 m	6 bar
075 MYB C06 100 006	75 mm	●	6 m	6 bar
090 MYB 006 100 006	90 mm	●	6 m	6 bar
090 MYB C06 100 006	90 mm	●	6 m	6 bar
110 MYB C06 100 006	110 mm	●	6 m	6 bar

MYB SERIES HEAD LOSSES

D mm	63 mm		75 mm		90 mm		110 mm	
	Q l/s	V m/s	J m/m	V m/s	Unit weight kg/m	V m/s	J m/m	V m/s
1,00								
1,30								
1,50	0,56	0,0061						
2,00	0,75	0,0104	0,53	0,0043				
2,50	0,94	0,0157	0,66	0,0066				
3,00	1,13	0,0220	0,79	0,0092	0,55	0,0038		
3,50	1,32	0,0292	0,92	0,0122	0,64	0,0051		
4,00	1,50	0,0374	1,05	0,0157	0,73	0,0065	0,49	0,0024
5,00	1,88	0,0566	1,31	0,0237	0,92	0,0098	0,61	0,0037
6,00	2,26	0,0793	1,58	0,0332	1,10	0,0137	0,73	0,0052
7,00	2,63	0,1055	1,84	0,0441	1,28	0,0183	0,86	0,0069
8,00			2,10	0,0565	1,47	0,0234	0,98	0,0088
9,00			2,37	0,0703	1,65	0,0291	1,10	0,0109
10,00			2,63	0,0854	1,83	0,0354	1,22	0,0133
12,00					2,20	0,0496	1,47	0,0186
15,00					2,75	0,0750	1,84	0,0281
18,00							2,20	0,0394
20,00							2,45	0,0479

D : Outer diameter (mm)

V : Water velocity (m/s)

Q : Flow rate (l/s)

J : Head loss (m/m)

* Head losses are calculated using Hazen-Williams formula.

SPRINKLER IRRIGATION FITTINGS

SPRINKLER IRRIGATION FITTINGS



CROSS WITH LATCH
Provides a 2-way branch in latch type sprinkler irrigation pipes of same/different sizes
110-90 mm female outlet with reinforcing ring

Product code	Size	Sack quantity	Sack weight
063 IES 063 063 063	63 x 63 mm	25	14,5 kg
075 IES 075 063 075	75 x 63 mm	20	17,5 kg
075 IES 075 075 075	75 x 75 mm	20	21,9 kg
090 IES 090 075 090	90 x 75 mm	15	20,8 kg
090 IES 090 090 090	90 x 90 mm	15	26,2 kg
110 IES 110 075 110	110 x 75 mm	10	18,1 kg
110 IES 110 090 110	110 x 90 mm	10	21,6 kg
110 IES 110 110 110	110 x 110 mm	10	23,9 kg



CROSS WITH LATCH - OPTIONAL
Provides a 2-way branch in latch type sprinkler irrigation pipes of same/different sizes
110-90-75 mm female outlet with reinforcing ring

075 IEC 075 063 075	75 x 63 mm	20	18,7 kg
075 IEC 075 075 075	75 x 75 mm	20	25,5 kg
090 IEC 090 075 090	90 x 75 mm	15	22,6 kg
110 IEC 110 075 110	110 x 75 mm	10	19,3 kg



TEE WITH LATCH
Provides a branch in latch type sprinkler irrigation pipes of same/different sizes
110-90 mm female outlet with reinforcing ring

063 TES 063 063 063	63 x 63 mm	50	23,0 kg
075 TES 075 063 075	75 x 63 mm	30	22,9 kg
075 TES 075 075 075	75 x 75 mm	30	26,3 kg
090 TES 090 075 090	90 x 75 mm	20	23,3 kg
090 TES 090 090 090	90 x 90 mm	20	27,0 kg
110 TES 110 075 110	110 x 75 mm	15	23,8 kg
110 TES 110 090 110	110 x 90 mm	15	26,5 kg
110 TES 110 110 110	110 x 110 mm	15	28,4 kg



TEE WITH LATCH - OPTIONAL
Provides a branch in latch type sprinkler irrigation pipes of same/different sizes
110-90-75 mm female outlet with reinforcing ring

075 TEC 075 063 075	75 x 63 mm	30	24,8 kg
075 TEC 075 075 075	75 x 75 mm	30	29,9 kg
090 TEC 090 075 090	90 x 75 mm	20	24,5 kg
110 TEC 110 075 110	110 x 75 mm	15	24,7 kg



REDUCER WITH LATCH
Joins latch type sprinkler irrigation pipes of different sizes
90 mm female outlet with reinforcing ring

Product code	Size	Sack quantity	Sack weight
075 RES 075 000 050	75 x 50 mm	75	36,2 kg
075 RES 075 000 063	75 x 63 mm	75	38,5 kg
090 RES 090 000 075	90 x 75 mm	50	37,3 kg
110 RES 110 000 075	110 x 75 mm	30	30,7 kg
110 RES 110 000 090	110 x 90 mm	30	36,2 kg



REDUCER WITH LATCH - OPTIONAL
Joins latch type sprinkler irrigation pipes of different sizes
75 mm female outlet with reinforcing ring

090 REC 090 000 075	90 x 75 mm	50	40,3 kg
110 REC 110 000 075	110 x 75 mm	30	32,5 kg



ELBOW WITH LATCH
Creates a corner in latch type sprinkler irrigation pipes
110-90 mm female outlet with reinforcing ring

050 MSD 050 000 050	50 mm	75	28,0 kg
063 MSD 063 000 063	63 mm	50	20,2 kg
075 MSD 075 000 075	75 mm	35	24,0 kg
090 MSD 090 000 090	90 mm	25	26,0 kg
110 MSD 110 000 110	110 mm	15	22,0 kg



ELBOW WITH LATCH - OPTIONAL
Creates a corner in latch type sprinkler irrigation pipes
75 mm female outlet with reinforcing ring

075 MCD 075 000 075	75 mm	35	26,1 kg
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FEMALE PUMP CONNECTION WITH LATCH
Obtains latch type female outlet from pump

050 MDP M13 000 050	50 mm x 1 1/2"	100	25,1 kg
063 MDP M20 000 063	63 mm x 2"	100	27,1 kg
075 MDP M23 000 075	75 mm x 2 1/2"	50	18,6 kg
090 MDP M30 000 090	90 mm x 3"	50	26,1 kg
110 MDP M40 000 110	110 mm x 4"	30	21,1 kg



MALE PUMP CONNECTION WITH LATCH
Obtains latch type male outlet from pump

050 MEP M13 000 050	50 mm x 1 1/2"	100	35,1 kg
063 MEP M20 000 063	63 mm x 2"	100	38,1 kg
075 MEP M23 000 075	75 mm x 2 1/2"	50	27,1 kg
090 MEP M30 000 090	90 mm x 3"	40	28,5 kg
110 MEP M40 000 110	110 mm x 4"	25	23,1 kg

SPRINKLER IRRIGATION FITTINGS

SPRINKLER IRRIGATION FITTINGS



PLASTIC FEMALE PUMP CONNECTION WITH LATCH
Obtains latch type female outlet from pump

Product code	Size	Sack quantity	Sack weight
063 MDP M20 P00 063	63 mm x 2"	100	24,4 kg
075 MDP M23 P00 075	75 mm x 2 1/2"	50	16,8 kg
090 MDP M30 P00 090	90 mm x 3"	50	23,5 kg
110 MDP M40 P00 110	110 mm x 4"	30	19,0 kg



PLASTIC MALE PUMP CONNECTION WITH LATCH
Obtains latch type male outlet from pump

063 MEP M20 P00 063	63 mm x 2"	100	30,5 kg
075 MEP M23 P00 075	75 mm x 2 1/2"	50	21,7 kg
090 MEP M30 P00 090	90 mm x 3"	40	23,8 kg
110 MEP M40 P00 110	110 mm x 4"	25	19,5 kg



SWAN NECK WITH LATCH
Joins latch type pump connection and sprinkler irrigation pipe with an (S) shape
110-90 mm female outlet with reinforcing ring

075 MSS 075 000 075	75 mm	-	-
090 MSS 090 000 090	90 mm	-	-
110 MSS 110 000 110	110 mm	-	-



SWAN NECK WITH LATCH - OPTIONAL
Joins latch type pump connection and sprinkler irrigation pipe with an (S) shape
75 mm female outlet with reinforcing ring

075 MCS 075 000 075	75 mm	-	-
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LINE VALVE WITH LATCH
Used to turn off or regulate the water flow between latch type sprinkler irrigation pipes

Product code	Size	Box quantity	Box weight
075 MHV 075 000 075	75 mm	10	23,2 kg
090 MHV 090 000 090	90 mm	10	30,5 kg
110 MHV 110 000 110	110 mm	6	27,5 kg



ECO LINE VALVE WITH LATCH
Used to turn off or regulate the water flow between latch type sprinkler irrigation pipes

050 MHE 050 000 050	50 mm	40	30,2 kg
063 MHE 063 000 063	63 mm	30	24,8 kg
075 MHE 075 000 075	75 mm	15	24,2 kg
090 MHE 090 000 090	90 mm	15	32,6 kg
110 MHE 110 000 110	110 mm	9	29,6 kg



HYDRANT WITH LATCH
Obtains female thread from latch type sprinkler irrigation pipe line

Product code	Size	Sack quantity	Sack weight
063 MAB 063 F10 063	63 mm x 1"	-	-
075 MAB 075 F10 075	75 mm x 1"	-	-
090 MAB 090 F10 090	90 mm x 1"	-	-



MALE END PLUG WITH LATCH
Closes the end of latch type sprinkler irrigation pipe

050 MEK 050 000 000	50 mm	250	30,2 kg
063 MEK 063 000 000	63 mm	200	30,2 kg
075 MEK 075 000 000	75 mm	150	43,7 kg
090 MEK 090 000 000	90 mm	100	37,2 kg
110 MEK 110 000 000	110 mm	70	45,0 kg



MALE HEAD WITH LATCH
Welded to the tip of pe main pipe

050 MER 050 000 050	50 mm	250	25,2 kg
063 MER 063 000 063	63 mm	200	26,2 kg
075 MER 075 000 075	75 mm	150	39,2 kg
090 MER 090 000 090	90 mm	100	32,2 kg
110 MER 110 000 110	110 mm	70	37,3 kg



FEMALE HEAD WITH LATCH
Welded to the tip of pe main pipe

050 MDI 050 000 050	50 mm	250	15,2 kg
063 MDI 063 000 063	63 mm	200	16,2 kg
075 MDI 075 C00 075	75 mm	150	34,0 kg
090 MDI 090 C00 090	90 mm	100	32,2 kg
110 MDI 110 C00 110	110 mm	70	28,8 kg



ECO FEMALE HEAD WITH LATCH
Welded to the tip of pe main pipe

075 MDI 075 000 075	75 mm	150	25,0 kg
090 MDI 090 000 090	90 mm	100	24,2 kg



LATCH TYPE GASKET
Used to connect latch type male to female

050 MCO 050 000 000	50 mm	2500	23,9 kg
063 MCO 063 000 000	63 mm	2000	33,3 kg
075 MCO 075 000 000	75 mm	1000	23,6 kg
090 MCO 090 000 000	90 mm	750	28,2 kg
110 MCO 110 000 000	110 mm	500	30,1 kg

SPRINKLER IRRIGATION ACCESSORIES



BALL VALVE
Used to turn off or regulate the water flow to sprinkler and allows to place or clean the sprinkler without disrupting irrigation process

Product code	Size	Sack quantity	Sack weight
032 KVA F10 000 M10	32 mm x 1"	100	12,1 kg



FEMALE THREADED COUPLING (BLACK)
Provides a connection with a combination of female threads

032 EFF F10 000 F10	32 mm x 1"	1000	24,2 kg
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FEMALE THREADED COUPLING (ORANGE)
Provides a connection with a combination of female threads

032 EFT F10 000 F10	32 mm x 1"	1000	24,2 kg
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PE MALE THREADED RISER (BLACK)
Provides a connection with a combination of male threads with different size options

032 UBS M10 025 M10	1" x 25 cm	200	19,4 kg
032 UBS M10 035 M10	1" x 35 cm	150	21,1 kg
032 UBS M10 050 M10	1" x 50 cm	100	18,7 kg



PE MALE THREADED RISER (ORANGE)
Provides a connection with a combination of male threads with different size options

032 UBT M10 025 M10	1" x 25 cm	200	19,4 kg
032 UBT M10 035 M10	1" x 35 cm	150	21,1 kg
032 UBT M10 050 M10	1" x 50 cm	100	18,7 kg



PVC MALE THREADED RISER
Provides a connection with a combination of male threads with different size options

032 UBB M10 025 M10	1" x 25 cm	200	20,2 kg
032 UBB M10 035 M10	1" x 35 cm	150	21,2 kg
032 UBB M10 050 M10	1" x 50 cm	100	20,2 kg
032 UBB M10 060 M10	1" x 60 cm	100	24,2 kg
032 UBB M10 070 M10	1" x 70 cm	100	28,2 kg
032 UBB M10 100 M10	1" x 100 cm	75	30,2 kg
032 UBB M10 120 M10	1" x 120 cm	50	24,2 kg
032 UBB M10 150 M10	1" x 150 cm	50	30,2 kg



MALE THREADED COUPLING
Provides a connection with a combination of male threads

Product code	Size	Sack quantity	Sack weight
032 EMM M10 000 M10	32 mm x 1"	1000	16,1 kg



FEMALE THREADED REDUCTION COUPLING
Provides a connection with a combination of female threads of different sizes

020 SBA F03 000 F10	1" x 1/2"	1000	19,7 kg
025 SBA F04 000 F10	1" x 3/4"	1000	21,3 kg



HYDRANT OUTLET FILTER (BLACK)
Provides filtration at the hydrant outlet

032 AFL M10 000 F10	32 mm x 1"	1000	17,6 kg
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HYDRANT OUTLET FILTER (ORANGE)
Provides filtration at the hydrant outlet

032 AFT M10 000 F10	32 mm x 1"	1000	17,6 kg
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HYDRANT ADAPTOR

040 ADP M12 000 F10	1 1/4" x 1"	1000	17,2 kg
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HYDRANT FOOT

353 AYK 000 000 000	353 mm	150	22,7 kg
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SPRINKLERS

MICRO SPRINKLER

MINI IMPACT SPRINKLER

IMPACT SPRINKLER



APPLICATIONS

- Trees with large stem diameter
- Annual crops grown between tree intervals
- Protection against freezing in drip irrigation systems or cooling

FEATURES

- Full circle irrigation
- Maximum wetting diameter: 20-meter
- Regular water flow
- Resistant to chemicals
- High UV resistance
- Easy installation
- Lightweight and compact design
- Clogging resistant design

TECHNICAL SPECIFICATIONS

Product code	Nominal flow rate LPH (2 bar)	Box quantity	Box weight
030 MCI 002 030 005	30	170	6,6 kg
040 MCI 002 040 005	40	170	6,6 kg
050 MCI 002 050 006	50	170	6,6 kg
060 MCI 002 060 006	60	170	6,6 kg
070 MCI 002 070 006	70	170	6,6 kg
100 MCI 002 100 007	100	170	6,6 kg
130 MCI 002 130 009	130	170	6,6 kg
160 MCI 002 160 010	160	170	6,6 kg

PERFORMANCE DATA

Product code	Pressure bar	Flow rate LPH	Effective distance m
030 MCI 002 030 005	1,5	25	5,1
	2	30	5,2
	2,5	33	5,2
040 MCI 002 040 005	1,5	34	5,4
	2	40	5,6
	2,5	44	5,7
050 MCI 002 050 006	1,5	44	5,6
	2	50	5,8
	2,5	58	5,8
060 MCI 002 060 006	1,5	55	5,8
	2	60	6,2
	2,5	72	6,2
070 MCI 002 070 006	1,5	65	6
	2	70	6,2
	2,5	84	6,2
100 MCI 002 100 007	1,5	88	7
	2	100	7,4
	2,5	114	7,6
130 MCI 002 130 009	1,5	114	8,2
	2	130	9,2
	2,5	149	9,2
160 MCI 002 160 010	1,5	150	10,2
	2	160	10,4
	2,5	196	10,4

SPRINKLERS

MINI IMPACT SPRINKLER



APPLICATIONS

- Primary application: general field use with fast connect feature
- Vegetables, potatoes, carrots and beets
- High lawn irrigation capacity

FEATURES

- Full circle irrigation
 - Maximum wetting diameter: 24-meter
 - Regular water flow
 - High water distribution uniformity with spacing up to 14-meter
 - Resistant to chemicals
 - High UV resistance
 - Corrosion resistant spring
 - Color-coded nozzle options for easy service
- Gray: 1,8 mm
Purple: 2,5 mm
Yellow: 2,8 mm
Green: 3,0 mm
Red: 3,2 mm
- Gray: 1,8 mm
Purple: 2,5 mm
Yellow: 2,8 mm
Green: 3,0 mm
Red: 3,2 mm



TECHNICAL SPECIFICATIONS

Product code	Size	Nozzle diameter	Max wetting diameter	Box quantity	Box weight
024 SIR 025 M03 018	1/2"	2,5 x 1,8 mm	21,5 m	150	6,8 kg
024 SIR 028 M03 018	1/2"	2,8 x 1,8 mm	22,0 m	150	6,8 kg
024 SIR 030 M03 018	1/2"	3,0 x 1,8 mm	23,0 m	150	6,8 kg
024 SIR 032 M03 018	1/2"	3,2 x 1,8 mm	24,0 m	150	6,8 kg

PERFORMANCE DATA

Nozzle diameter mm	Pressure bar	Max wetting diameter m	Flow rate m³/h	Spacing m x m				
				10 x 10	10 x 12	12 x 12	12 x 14	14 x 14
024 SIR 025 M03 018								
2,5 x 1,8	2	21	0,526	5,26	4,38	3,65		
	2,5	21	0,589	5,89	4,91	4,09		
	3	21	0,645	6,45	5,38	4,48		
	3,5	21,5	0,696	6,96	5,80	4,83		
	4	21,5	0,745	7,45	6,21	5,17		
024 SIR 028 M03 018								
2,8 x 1,8	2	21,5	0,615	6,15	5,13	4,27	3,66	3,14
	2,5	22	0,686	6,86	5,72	4,76	4,08	3,50
	3	22	0,752	7,52	6,27	5,65	4,84	4,15
	3,5	22	0,813	8,13	6,78	5,65	4,84	4,15
	4	22	0,869	8,69	7,24	6,03	5,17	4,43
024 SIR 030 M03 018								
3,0 x 1,8	2	22	0,679	6,79	5,66	4,72	4,04	3,46
	2,5	22	0,759	7,59	6,33	5,27	4,52	3,87
	3	23	0,832	8,32	6,93	5,78	4,95	4,24
	3,5	23	0,898	8,98	7,48	6,24	5,35	4,58
	4	23	0,96	9,60	8,00	6,67	5,71	4,90
024 SIR 032 M03 018								
3,2 x 1,8	2	23	0,747	7,47	6,23	5,19	4,45	3,81
	2,5	23	0,836	8,36	6,97	5,81	4,98	3,81
	3	24	0,915	9,15	7,63	6,35	5,45	4,67
	3,5	24	0,989	9,89	8,24	6,87	5,89	5,05
	4	24	1,057	10,57	8,81	7,34	6,29	5,39

MINI IMPACT SPRINKLER FITTINGS



MINI IMPACT SPRINKLER CONNECTION ADAPTOR

Product code	Size	Bag quantity	Box quantity	Box weight
012 SBA F03 000 K12	12 mm x 1/2"	25	550	6,4 kg

MINI IMPACT SPRINKLER CONNECTION PIPE

012 SBB D09 000 012	12 mm	-	150	8,4 kg
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MINI IMPACT SPRINKLER ANCHOR

120 SSC 000 000 000	8 mm x 120 cm	-	25	11,8 kg
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Precipitation rate mm/h

SPRINKLERS

IMPACT SPRINKLER



APPLICATIONS

- Various field crops

FEATURES

- Full circle irrigation
- Maximum wetting diameter: 30-meter
- Regular water flow
- High water distribution uniformity with spacing up to 24-meter
- Resistant to chemicals
- High UV resistance
- Corrosion resistant spring and wing shaft
- Different nozzle options
- Easy installation
- No runoff

TECHNICAL SPECIFICATIONS

Product code	Size	Nozzle diameter	Max wetting diameter	Box quantity	Box weight
030 SIR 038 M04 000	¾"	3,8 x 0,0 mm	30,5 m	45	9,1 kg
030 SIR 050 M04 000	¾"	5,0 x 0,0 mm	33,3 m	45	9,1 kg
030 SIR 038 M04 023	¾"	3,8 x 2,3 mm	30,5 m	45	9,1 kg
030 SIR 050 M04 045	¾"	5,0 x 4,5 mm	33,3 m	45	9,1 kg

* Packaged with 025 SBA F04 000 F10 coded reduction coupling. Boxes include two nozzles (5,0 x 4,5) assembled with the product and two spare nozzles (3,8 x 2,3) for each product.

PERFORMANCE DATA

Nozzle diameter mm	Pressure bar	Max wetting diameter m	Flow rate m³/h	Spacing m x m		
				10 x 10	10 x 12	12 x 12
030 SIR 038 M04 000						
3,8 x 0,0	1,5	24,4	0,72	3,33	2,22	
	2	27,2	0,79	3,66	2,44	
	2,5	28,8	0,82	3,80	2,53	
	3	30	0,98	4,54	3,02	
	3,5	30,5	1,06	4,91	3,27	
030 SIR 050 M04 000						
5,0 x 0,0	1,5	25,8	1,26	5,83	3,89	2,92
	2	29,2	1,46	6,76	4,51	3,38
	2,5	31,5	1,58	7,31	4,88	3,66
	3	32,8	1,80	8,33	5,56	4,17
	3,5	33,3	1,93	8,94	5,96	4,47
030 SIR 038 M04 023						
3,8 x 2,3	1,5	24,4	1,11	5,15	3,43	
	2	27,2	1,19	5,51	3,67	
	2,5	28,8	1,28	5,93	3,95	2,96
	3	30	1,52	7,04	4,69	3,52
	3,5	30,5	1,62	7,50	5,00	3,75
030 SIR 050 M04 045						
5,0 x 4,5	1,5	25,8	1,96	9,07	6,05	4,54
	2	29,2	2,18	10,09	6,73	5,05
	2,5	31,5	2,5		7,72	5,79
	3	32,8	2,78		8,58	6,44
	3,5	33,3	2,98		9,20	6,90

Precipitation rate
mm/h



MAIN PIPES

PE PIPE

PVC LAY FLAT FLEXIBLE
PIPE

MAIN PIPES PE PIPE



APPLICATIONS

- Transportation of drinking water
- Irrigation systems
- Fire water systems

FEATURES

- Flexibility
- Unbreakable
- High impact strength
- High crack propagation resistance
- UV resistant
- Low internal surface roughness
- Resistant to chemicals and fertilizers used in agriculture



MAIN PIPES PE PIPE

PEK SERIES - PE 40 TECHNICAL SPECIFICATIONS

D mm	PN 4		PN 5		PN 8		PN 10		Coil length m	
	Wall thickness mm	Unit weight kg/m								
20						2,500	0,127	3,200	0,174	250
25			2,150	0,188	3,200	0,232	3,750	0,269	250	
32	2,150	0,223	2,600	0,310	3,850	0,372	4,700	0,439	200	
40	2,600	0,345	3,250	0,475	4,800	0,580	5,850	0,679	200	
50	3,200	0,530	3,950	0,741	5,950	0,906	7,300	1,060	150	
63	4,050	0,844	5,000	1,170	7,550	1,422	9,100	1,670	100	
75	4,800	1,194	5,950	1,660	8,900	2,023	10,900	2,360	100	
90	5,750	1,710	6,100	2,370	10,700	2,898	13,000	3,400	100	
110	7,000	2,523	8,600	3,520	13,000	4,339	15,950	5,090	100	

PEB SERIES - PE 80 TECHNICAL SPECIFICATIONS

D mm	PN 5		PN 6		PN 8		PN 10		Coil length m	
	Wall thickness mm	Unit weight kg/m								
25								2,150	0,161	250
32						2,150	0,200	2,600	0,249	200
40			2,150	0,250	2,600	0,295	3,250	0,389	200	
50	2,150	0,288	2,600	0,375	3,200	0,455	3,950	0,592	150	
63	2,700	0,475	3,200	0,580	4,050	0,720	5,000	0,944	100	
75	3,100	0,635	3,850	0,825	4,800	1,020	5,950	1,336	100	
90	3,750	0,925	4,600	1,178	5,750	1,460	7,100	1,914	100	
110	4,500	1,370	5,650	1,770	7,000	2,180	8,600	2,830	100	

PEB SERIES - PE 100 TECHNICAL SPECIFICATIONS

D mm	PN 6		PN 8		PN 10		PN 16		Coil length m	
	Wall thickness mm	Unit weight kg/m								
20								2,150	0,131	250
25								2,500	0,211	250
32					2,150	0,200	3,200	0,326	200	
40			2,150	0,250	2,600	0,295	3,950	0,507	200	
50	2,150	0,288	2,600	0,375	3,200	0,455	4,900	0,785	150	
63	2,700	0,475	3,200	0,580	4,050	0,720	6,150	1,252	100	
75	3,100	0,635	3,850	0,825	4,800	1,020	7,200	1,744	100	
90	3,750	0,925	4,600	1,178	5,750	1,460	8,700	2,530	100	
110	4,500	1,370	5,650	1,770	7,000	2,180	10,550	3,770	100	

MAIN PIPES

PVC LAY FLAT FLEXIBLE PIPE



APPLICATIONS

- Water supply or discharge
- Drip irrigation systems
- Sprinkler irrigation systems

FEATURES

- High flexibility
- User friendly
- Easy transportation and storage



LFB SERIES

SUNNYHOSE TECHNICAL SPECIFICATIONS

Product code	Size mm x inch	Wall thickness mm	Working pressure bar	Coil dimensions cm	Coil weight kg	Coil length m
040 LFB 125 SBL 005	40 x 1 1/2"	1,25	5	64 x 64 x 7	22	100
050 LFB 130 SBL 004	50 x 2"	1,30	4,5	66 x 66 x 9	28,6	100
063 LFB 150 SBL 004	63 x 2 1/2"	1,50	4	70 x 70 x 12	40,2	100
075 LFB 170 SBL 004	75 x 3"	1,70	4	76 x 76 x 13	55,5	100
100 LFB 175 SBL 004	100 x 4"	1,75	4	78 x 78 x 17	74,5	100
125 LFB 185 SBL 003	125 x 5"	1,85	3	78 x 78 x 22	98	100
150 LFB 195 SBL 003	150 x 6"	1,95	3	82 x 82 x 26	122,5	100
200 LFB 220 SBL 003	200 x 8"	2,20	3	88 x 88 x 34	184,8	100

LFB SERIES

HI-SUNNYHOSE TECHNICAL SPECIFICATIONS

Product code	Size mm x inch	Wall thickness mm	Working pressure bar	Coil dimensions cm	Coil weight kg	Coil length m
040 LFB 145 SDB 007	40 x 1 1/2"	1,45	7	72 x 72 x 7	24,6	100
050 LFB 160 SDB 007	50 x 2"	1,60	7	80 x 80 x 8	34,2	100
063 LFB 170 SDB 007	63 x 2 1/2"	1,70	7	84 x 84 x 12	44,3	100
075 LFB 190 SDB 006	75 x 3"	1,90	6	88 x 88 x 13	58,6	100
100 LFB 230 SDB 006	100 x 4"	2,30	6	90 x 90 x 17	89,5	100
125 LFB 230 SDB 006	125 x 5"	2,30	6	92 x 92 x 22	111,4	100
150 LFB 260 SDB 006	150 x 6"	2,60	6	96 x 96 x 26	152,4	100
200 LFB 265 SDB 004	200 x 8"	2,65	4	96 x 96 x 34	207,5	100



LFB SERIES

HD-SUNNYHOSE TECHNICAL SPECIFICATIONS

Product code	Size mm x inch	Wall thickness mm	Working pressure bar	Coil dimensions cm	Coil weight kg	Coil length m
040 LFB 190 SBR 010	40 x 1 1/2"	1,9	10,5	82 x 82 x 8	31,2	100
050 LFB 205 SBR 010	50 x 2"	2,05	10,5	88 x 88 x 10	44,9	100
063 LFB 215 SBR 010	63 x 2 1/2"	2,15	10,5	92 x 92 x 12	57,5	100
075 LFB 225 SBR 009	75 x 3"	2,25	9	94 x 94 x 14	70,2	100
100 LFB 255 SBR 009	100 x 4"	2,55	9	98 x 98 x 17	106,3	100
150 LFB 295 SBR 007	150 x 6"	2,95	7	104 x 104 x 26	176,7	100
200 LFB 295 SBR 005	200 x 8"	2,95	5	104 x 104 x 34	232,5	100



BALL VALVES

MONOBLOCK BALL VALVES
SINGLE UNION BALL VALVES
TRUE UNION BALL VALVES

BALL VALVES

MONOBLOCK BALL VALVES



FEMALE THREADED PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of female threads

Product code	Size	Box quantity	Box weight
020 PKV F03 000 F03	1/2"	200	14,4 kg
025 PKV F04 000 F04	3/4"	100	8,8 kg
032 PKV F10 000 F10	1"	100	13,6 kg
040 PKV F12 000 F12	1 1/4"	60	12,6 kg
050 PKV F13 000 F13	1 1/2"	50	17,6 kg
063 PKV F20 000 F20	2"	20	13,4 kg
075 PKV F23 000 F23	2 1/2"	14	11,3 kg
090 PKV F30 000 F30	3"	8	22,1 kg
110 PKV F40 000 F40	4"	6	24,7 kg



FEMALE THREADED TRUE UNION PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of female threaded sockets

Product code	Size	Box quantity	Box weight
063 K2F F20 000 F20	2"	32	37,8 kg
075 K2F F23 000 F23	2 1/2"	15	22,4 kg
075 K2F F30 000 F30	3"	15	22,4 kg
090 K2F F30 000 F30	3"	12	42,9 kg
110 K2F F40 000 F40	4"	6	32,2 kg



CEMENTED PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of cement outlets

Product code	Size	Box quantity	Box weight
063 CKV F20 000 F20	2"	20	13,4 kg
075 CKV F23 000 F23	2 1/2"	14	11,3 kg
090 CKV F30 000 F30	3"	8	22,1 kg



CEMENTED TRUE UNION PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of cement sockets

Product code	Size	Box quantity	Box weight
063 K2C F20 000 F20	2"	32	37,8 kg
075 K2C F23 000 F23	2 1/2"	15	22,4 kg
075 K2C F30 000 F30	3"	15	22,4 kg
090 K2C F30 000 F30	3"	12	42,9 kg
110 K2C F40 000 F40	4"	6	32,2 kg

SINGLE UNION BALL VALVES



FEMALE THREADED SINGLE UNION PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of female threads

Product code	Size	Box quantity	Box weight
050 K1F F13 000 F13	1 1/2"	50	25,8 kg
063 K1F F20 000 F20	2"	32	29,5 kg



SUB-SURFACE FEMALE THREADED TRUE UNION PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of female threaded sockets in sub-surface applications

Product code	Size	Box quantity	Box weight
063 KFT F20 000 F20	2"	15	25,2 kg
075 KFT F23 000 F23	2 1/2"	6	13,5 kg
090 KFT F30 000 F30	3"	5	25,4 kg
110 KFT F40 000 F40	4"	4	45,7 kg



CEMENTED SINGLE UNION PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of cement outlets

Product code	Size	Box quantity	Box weight
050 K1C F13 000 F13	1 1/2"	50	25,8 kg
063 K1C F20 000 F20	2"	32	29,5 kg



SUB-SURFACE CEMENTED TRUE UNION PVC BALL VALVE
Used to turn off or regulate the water flow with a combination of cement sockets in sub-surface applications

Product code	Size	Box quantity	Box weight
063 KCT F20 000 F20	2"	15	25,2 kg
075 KCT F23 000 F23	2 1/2"	6	13,5 kg
090 KCT F30 000 F30	3"	5	25,4 kg
110 KCT F40 000 F40	4"	4	45,7 kg



COMPRESSION FITTINGS

BLUE SERIES

BLACK SERIES

COMPRESSION FITTINGS BLUE SERIES



BLUE SERIES MALE ADAPTOR
Connects pe flexible pipe to female threaded outlet
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BAM M03 000 020	20 mm x 1/2"	225	50
020 BAM M04 000 020	20 mm x 3/4"	225	50
025 BAM M03 000 025	25 mm x 1/2"	175	50
025 BAM M04 000 025	25 mm x 3/4"	175	50
025 BAM M10 000 025	25 mm x 1"	175	50
032 BAM M04 000 032	32 mm x 3/4"	100	55
032 BAM M10 000 032	32 mm x 1"	100	55
032 BAM M12 000 032	32 mm x 1 1/4"	100	55
040 BAM M10 000 040	40 mm x 1"	60	45
040 BAM M12 000 040	40 mm x 1 1/4"	60	45
040 BAM M13 000 040	40 mm x 1 1/2"	60	45
050 BAM M12 000 050	50 mm x 1 1/4"	35	45
050 BAM M13 000 050	50 mm x 1 1/2"	35	45
050 BAM M20 000 050	50 mm x 2"	35	45
063 BAM M13 000 063	63 mm x 1 1/2"	18	55
063 BAM M20 000 063	63 mm x 2"	18	55
063 BAM M23 000 063	63 mm x 2 1/2"	15	55
075 BAM M20 000 075	75 mm x 2"	12	55
075 BAM M23 000 075	75 mm x 2 1/2"	12	55
075 BAM M30 000 075	75 mm x 3"	10	55
090 BAM M23 000 090	90 mm x 2 1/2"	7	50
090 BAM M30 000 090	90 mm x 3"	7	50
110 BAM M40 000 110	110 mm x 4"	4	45



BLUE SERIES FEMALE ADAPTOR
Connects pe flexible pipe to male threaded outlet
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BAF F03 000 020	20 mm x 1/2"	225	45
025 BAF F03 000 025	25 mm x 1/2"	150	45
025 BAF F04 000 025	25 mm x 3/4"	150	45
025 BAF F10 000 025	25 mm x 1"	150	45
032 BAF F03 000 032	32 mm x 1/2"	100	40
032 BAF F04 000 032	32 mm x 3/4"	100	40
032 BAF F10 000 032	32 mm x 1"	100	40
040 BAF F04 000 040	40 mm x 3/4"	50	50
040 BAF F10 000 040	40 mm x 1"	50	50
040 BAF F12 000 040	40 mm x 1 1/4"	50	50
050 BAF F10 000 050	50 mm x 1"	30	50
050 BAF F12 000 050	50 mm x 1 1/4"	30	50
050 BAF F13 000 050	50 mm x 1 1/2"	30	50
063 BAF F12 000 063	63 mm x 1 1/4"	18	40
063 BAF F13 000 063	63 mm x 1 1/2"	18	40
063 BAF F20 000 063	63 mm x 2"	18	40
075 BAF F20 000 075	75 mm x 2"	12	55
075 BAF F23 000 075	75 mm x 2 1/2"	12	55
090 BAF F23 000 090	90 mm x 2 1/2"	7	50
090 BAF F30 000 090	90 mm x 3"	7	50
110 BAF F30 000 110	110 mm x 3"	4	45
110 BAF F40 000 110	110 mm x 4"	4	45



BLUE SERIES COUPLING
Joins pe flexible pipes
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BCO 020 000 020	20 x 20 mm	125	50
025 BCO 025 000 025	25 x 25 mm	100	40
032 BCO 032 000 032	32 x 32 mm	60	40
040 BCO 040 000 040	40 x 40 mm	30	45
050 BCO 050 000 050	50 x 50 mm	20	40
063 BCO 063 000 063	63 x 63 mm	10	55
075 BCO 075 000 075	75 x 75 mm	7	55
090 BCO 090 000 090	90 x 90 mm	4	50
110 BCO 110 000 110	110 x 110 mm	3	40



BLUE SERIES ELBOW COUPLING
Creates a corner in pe flexible pipes
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BEL 020 000 020	20 x 20 mm	125	40
025 BEL 025 000 025	25 x 25 mm	80	40
032 BEL 032 000 032	32 x 32 mm	50	50
040 BEL 040 000 040	40 x 40 mm	25	50
050 BEL 050 000 050	50 x 50 mm	15	50
063 BEL 063 000 063	63 x 63 mm	8	45
075 BEL 075 000 075	75 x 75 mm	6	40
090 BEL 090 000 090	90 x 90 mm	4	50
110 BEL 110 000 110	110 x 110 mm	2	40



BLUE SERIES MALE ADAPTOR ELBOW
Provides a bend with a male thread in pe flexible pipes
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BEM M03 000 020	20 mm x 1/2"	150	50
020 BEM M04 000 020	20 mm x 3/4"	150	50
025 BEM M03 000 025	25 mm x 1/2"	125	45
025 BEM M04 000 025	25 mm x 3/4"	125	45
025 BEM M10 000 025	25 mm x 1"	125	45
032 BEM M03 000 032	32 mm x 1/2"	85	45
032 BEM M04 000 032	32 mm x 3/4"	85	45
032 BEM M10 000 032	32 mm x 1"	85	45
040 BEM M10 000 040	40 mm x 1"	40	45
040 BEM M12 000 040	40 mm x 1 1/4"	40	45
050 BEM M13 000 050	50 mm x 1 1/2"	25	50
050 BEM M20 000 050	50 mm x 2"	25	50
063 BEM M12 000 063	63 mm x 1 1/4"	12	45
063 BEM M13 000 063	63 mm x 1 1/2"	12	45
063 BEM M20 000 063	63 mm x 2"	12	45
075 BEM M20 000 075	75 mm x 2"	8	45
075 BEM M23 000 075	75 mm x 2 1/2"	8	45
075 BEM M30 000 075	75 mm x 3"	8	45
090 BEM M23 000 090	90 mm x 2 1/2"	5	50
090 BEM M30 000 090	90 mm x 3"	5	50
090 BEM M40 000 090	90 mm x 4"	5	50

COMPRESSION FITTINGS BLUE SERIES



BLUE SERIES FEMALE ADAPTOR ELBOW
Provides a bend with a female thread in pe flexible pipes

20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BEF F03 000 020	20 mm x 1/2"	175	50
020 BEF F04 000 020	20 mm x 3/4"	175	50
025 BEF F03 000 025	25 mm x 1/2"	100	50
025 BEF F04 000 025	25 mm x 3/4"	100	50
025 BEF F10 000 025	25 mm x 1"	100	50
032 BEF F03 000 032	32 mm x 1/2"	70	50
032 BEF F04 000 032	32 mm x 3/4"	70	50
032 BEF F10 000 032	32 mm x 1"	70	50
040 BEF F10 000 040	40 mm x 1"	40	45
040 BEF F12 000 040	40 mm x 1 1/4"	40	45
050 BEF F12 000 050	50 mm x 1 1/4"	20	50
050 BEF F13 000 050	50 mm x 1 1/2"	20	50
050 BEF F20 000 050	50 mm x 2"	20	50
063 BEF F12 000 063	63 mm x 1 1/4"	12	45
063 BEF F13 000 063	63 mm x 1 1/2"	12	45
063 BEF F20 000 063	63 mm x 2"	12	45
075 BEF F20 000 075	75 mm x 2"	8	45
075 BEF F23 000 075	75 mm x 2 1/2"	8	45
075 BEF F30 000 075	75 mm x 3"	8	45
090 BEF F23 000 090	90 mm x 2 1/2"	5	50
090 BEF F30 000 090	90 mm x 3"	5	50
090 BEF F40 000 090	90 mm x 4"	5	50



BLUE SERIES MALE ADAPTOR TEE
Provides a branch with a male thread in pe flexible pipes

20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BTM 020 M03 020	20 mm x 1/2"	100	55
020 BTM 020 M04 020	20 mm x 3/4"	100	55
025 BTM 025 M03 025	25 mm x 1/2"	70	45
025 BTM 025 M04 025	25 mm x 3/4"	70	45
025 BTM 025 M10 025	25 mm x 1"	70	45
032 BTM 032 M04 032	32 mm x 3/4"	40	55
032 BTM 032 M10 032	32 mm x 1"	40	55
040 BTM 040 M10 040	40 mm x 1"	25	45
040 BTM 040 M12 040	40 mm x 1 1/4"	25	45
040 BTM 040 M13 040	40 mm x 1 1/2"	25	45
050 BTM 050 M12 050	50 mm x 1 1/4"	15	45
050 BTM 050 M13 050	50 mm x 1 1/2"	15	45
050 BTM 050 M20 050	50 mm x 2"	15	45
063 BTM 063 M13 063	63 mm x 1 1/2"	8	50
063 BTM 063 M20 063	63 mm x 2"	8	50
075 BTM 075 M20 075	75 mm x 2"	5	40
075 BTM 075 M23 075	75 mm x 2 1/2"	5	40
075 BTM 075 M30 075	75 mm x 3"	5	40
090 BTM 090 M20 090	90 mm x 2"	3	50
090 BTM 090 M23 090	90 mm x 2 1/2"	3	50
090 BTM 090 M30 090	90 mm x 3"	3	50
110 BTM 110 M23 110	110 mm x 2 1/2"	2	35
110 BTM 110 M30 110	110 mm x 3"	2	35
110 BTM 110 M40 110	110 mm x 4"	2	35



BLUE SERIES FEMALE ADAPTOR TEE
Provides a branch with a female thread in pe flexible pipes

20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BTF 020 F03 020	20 mm x 1/2"	100	55
025 BTF 025 F03 025	25 mm x 1/2"	65	50
025 BTF 025 F04 025	25 mm x 3/4"	65	50
032 BTF 032 F03 032	32 mm x 1/2"	40	50
032 BTF 032 F04 032	32 mm x 3/4"	40	50
032 BTF 032 F10 032	32 mm x 1"	40	50
040 BTF 040 F03 040	40 mm x 1/2"	25	45
040 BTF 040 F04 040	40 mm x 3/4"	25	45
040 BTF 040 F10 040	40 mm x 1"	25	45
040 BTF 040 F12 040	40 mm x 1 1/4"	25	45
050 BTF 050 F03 050	50 mm x 1/2"	15	40
050 BTF 050 F04 050	50 mm x 3/4"	15	40
050 BTF 050 F10 050	50 mm x 1"	15	40
050 BTF 050 F12 050	50 mm x 1 1/4"	15	40
050 BTF 050 F13 050	50 mm x 1 1/2"	15	40
063 BTF 063 F03 063	63 mm x 1/2"	8	40
063 BTF 063 F04 063	63 mm x 3/4"	8	40
063 BTF 063 F10 063	63 mm x 1"	8	40
063 BTF 063 F12 063	63 mm x 1 1/4"	8	40
063 BTF 063 F13 063	63 mm x 1 1/2"	8	40
063 BTF 063 F20 063	63 mm x 2"	8	40
075 BTF 075 F03 075	75 mm x 1/2"	5	45
075 BTF 075 F13 075	75 mm x 1 1/2"	5	45
075 BTF 075 F20 075	75 mm x 2"	5	45
075 BTF 075 F23 075	75 mm x 2 1/2"	5	45
090 BTF 090 F20 090	90 mm x 2"	3	55
090 BTF 090 F23 090	90 mm x 2 1/2"	3	55
090 BTF 090 F30 090	90 mm x 3"	3	55
110 BTF 110 F20 110	110 mm x 2"	2	35
110 BTF 110 F23 110	110 mm x 2 1/2"	2	35
110 BTF 110 F30 110	110 mm x 3"	2	35
110 BTF 110 F40 110	110 mm x 4"	2	35

BLUE SERIES TEE COUPLING

Provides a branch in pe flexible pipes

20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BTE 020 020 020	20 x 20 mm	70	50
025 BTE 025 025 025	25 x 25 mm	50	45
032 BTE 032 032 032	32 x 32 mm	30	45
040 BTE 040 040 040	40 x 40 mm	20	40
050 BTE 050 050 050	50 x 50 mm	12	40
063 BTE 063 063 063	63 x 63 mm	5	55
075 BTE 075 075 075	75 x 75 mm	4	55
090 BTE 090 090 090	90 x 90 mm	2	50
110 BTE 110 110 110	110 x 110 mm	1	56



COMPRESSION FITTINGS BLUE SERIES



BLUE SERIES REDUCTION COUPLING
Joins pe flexible pipes of different sizes
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
025 BRC 025 000 020	25 x 20 mm	100	50
032 BRC 032 000 020	32 x 20 mm	75	40
032 BRC 032 000 025	32 x 25 mm	75	40
040 BRC 040 000 020	40 x 20 mm	40	45
040 BRC 040 000 025	40 x 25 mm	40	45
040 BRC 040 000 032	40 x 32 mm	40	45
050 BRC 050 000 025	50 x 25 mm	25	40
050 BRC 050 000 032	50 x 32 mm	25	40
050 BRC 050 000 040	50 x 40 mm	25	40
063 BRC 063 000 025	63 x 25 mm	13	45
063 BRC 063 000 032	63 x 32 mm	13	45
063 BRC 063 000 040	63 x 40 mm	13	45
063 BRC 063 000 050	63 x 50 mm	13	45
075 BRC 075 000 050	75 x 50 mm	7	55
075 BRC 075 000 063	75 x 63 mm	7	55
090 BRC 090 000 050	90 x 50 mm	5	50
090 BRC 090 000 063	90 x 63 mm	5	50
090 BRC 090 000 075	90 x 75 mm	5	50
110 BRC 110 000 063	110 x 63 mm	4	45
110 BRC 110 000 075	110 x 75 mm	3	45
110 BRC 110 000 090	110 x 90 mm	3	45



BLUE SERIES REDUCTION TEE COUPLING
Provides a branch in pe flexible pipes of different sizes
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
025 BRT 025 020 025	25 x 20 mm	60	55
025 BRT 025 032 025	25 x 32 mm	40	50
032 BRT 032 020 032	32 x 20 mm	40	50
032 BRT 032 025 032	32 x 25 mm	40	50
040 BRT 040 020 040	40 x 20 mm	20	45
040 BRT 040 025 040	40 x 25 mm	20	45
040 BRT 040 032 040	40 x 32 mm	20	45
050 BRT 050 020 050	50 x 20 mm	12	45
050 BRT 050 025 050	50 x 25 mm	12	45
050 BRT 050 032 050	50 x 32 mm	12	45
050 BRT 050 040 050	50 x 40 mm	12	45
063 BRT 063 025 063	63 x 25 mm	8	35
063 BRT 063 032 063	63 x 32 mm	8	35
063 BRT 063 040 063	63 x 40 mm	8	35
063 BRT 063 050 063	63 x 50 mm	7	35
075 BRT 075 050 075	75 x 50 mm	4	55
075 BRT 075 063 075	75 x 63 mm	4	55
090 BRT 090 050 090	90 x 50 mm	3	45
090 BRT 090 063 090	90 x 63 mm	3	45
090 BRT 090 075 090	90 x 75 mm	3	45
110 BRT 110 063 110	110 x 63 mm	2	35
110 BRT 110 075 110	110 x 75 mm	1	56
110 BRT 110 090 110	110 x 90 mm	1	56



BLUE SERIES END PLUG COUPLING
Closes the end of pe flexible pipe
20-63 mm: PN16
75-110 mm: PN10

Product code	Size	Sack quantity	Number of sacks in a pallet
020 BKT 020 000 000	20 mm	250	50
025 BKT 025 000 000	25 mm	200	50
032 BKT 032 000 000	32 mm	125	45
040 BKT 040 000 000	40 mm	65	45
050 BKT 050 000 000	50 mm	40	45
063 BKT 063 000 000	63 mm	18	50
075 BKT 075 000 000	75 mm	12	55
090 BKT 090 000 000	90 mm	8	50
110 BKT 110 000 000	110 mm	5	45

COMPRESSION FITTINGS BLUE SERIES

COMPRESSION FITTINGS BLACK SERIES



BLACK SERIES MALE ADAPTOR
Connects pe flexible pipe to female threaded outlet
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SAM M03 000 020	20 mm x 1/2"	225	50
020 SAM M04 000 020	20 mm x 3/4"	225	50
025 SAM M03 000 025	25 mm x 1/2"	175	50
025 SAM M04 000 025	25 mm x 3/4"	175	50
025 SAM M10 000 025	25 mm x 1"	175	50
032 SAM M04 000 032	32 mm x 3/4"	100	55
032 SAM M10 000 032	32 mm x 1"	100	55
032 SAM M12 000 032	32 mm x 1 1/4"	100	55
040 SAM M10 000 040	40 mm x 1"	60	45
040 SAM M12 000 040	40 mm x 1 1/4"	60	45
040 SAM M13 000 040	40 mm x 1 1/2"	60	45
050 SAM M12 000 050	50 mm x 1 1/4"	35	45
050 SAM M13 000 050	50 mm x 1 1/2"	35	45
050 SAM M20 000 050	50 mm x 2"	35	45
063 SAM M13 000 063	63 mm x 1 1/2"	18	55
063 SAM M20 000 063	63 mm x 2"	18	55
063 SAM M23 000 063	63 mm x 2 1/2"	15	55
075 SAM M20 000 075	75 mm x 2"	12	55
075 SAM M23 000 075	75 mm x 2 1/2"	12	55
075 SAM M30 000 075	75 mm x 3"	10	55
090 SAM M23 000 090	90 mm x 2 1/2"	7	50
090 SAM M30 000 090	90 mm x 3"	7	50
110 SAM M40 000 110	110 mm x 4"	4	45



BLACK SERIES FEMALE ADAPTOR
Connects pe flexible pipe to male threaded outlet
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SAF F03 000 020	20 mm x 1/2"	225	45
025 SAF F03 000 025	25 mm x 1/2"	150	45
025 SAF F04 000 025	25 mm x 3/4"	150	45
025 SAF F10 000 025	25 mm x 1"	150	45
032 SAF F03 000 032	32 mm x 1/2"	100	40
032 SAF F04 000 032	32 mm x 3/4"	100	40
032 SAF F10 000 032	32 mm x 1"	100	40
040 SAF F04 000 040	40 mm x 3/4"	50	50
040 SAF F10 000 040	40 mm x 1"	50	50
040 SAF F12 000 040	40 mm x 1 1/4"	50	50
050 SAF F10 000 050	50 mm x 1"	30	50
050 SAF F12 000 050	50 mm x 1 1/4"	30	50
050 SAF F13 000 050	50 mm x 1 1/2"	30	50
063 SAF F12 000 063	63 mm x 1 1/4"	18	40
063 SAF F13 000 063	63 mm x 1 1/2"	18	40
063 SAF F20 000 063	63 mm x 2"	18	40
075 SAF F20 000 075	75 mm x 2"	12	55
075 SAF F23 000 075	75 mm x 2 1/2"	12	55
090 SAF F23 000 090	90 mm x 2 1/2"	7	50
090 SAF F30 000 090	90 mm x 3"	7	50
110 SAF F30 000 110	110 mm x 3"	4	45
110 SAF F40 000 110	110 mm x 4"	4	45



BLACK SERIES COUPLING
Joins pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SCO 020 000 020	20 x 20 mm	125	50
025 SCO 025 000 025	25 x 25 mm	100	40
032 SCO 032 000 032	32 x 32 mm	60	40
040 SCO 040 000 040	40 x 40 mm	30	45
050 SCO 050 000 050	50 x 50 mm	20	40
063 SCO 063 000 063	63 x 63 mm	10	55
075 SCO 075 000 075	75 x 75 mm	7	55
090 SCO 090 000 090	90 x 90 mm	4	50
110 SCO 110 000 110	110 x 110 mm	3	40



BLACK SERIES ELBOW COUPLING
Creates a corner in pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SEL 020 000 020	20 x 20 mm	125	40
025 SEL 025 000 025	25 x 25 mm	80	40
032 SEL 032 000 032	32 x 32 mm	50	50
040 SEL 040 000 040	40 x 40 mm	25	50
050 SEL 050 000 050	50 x 50 mm	15	50
063 SEL 063 000 063	63 x 63 mm	8	45
075 SEL 075 000 075	75 x 75 mm	6	40
090 SEL 090 000 090	90 x 90 mm	4	50
110 SEL 110 000 110	110 x 110 mm	2	40



BLACK SERIES MALE ADAPTOR ELBOW
Provides a bend with a male thread in pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SEM M03 000 020	20 mm x 1/2"	150	50
020 SEM M04 000 020	20 mm x 3/4"	150	50
025 SEM M03 000 025	25 mm x 1/2"	125	45
025 SEM M04 000 025	25 mm x 3/4"	125	45
025 SEM M10 000 025	25 mm x 1"	125	45
032 SEM M03 000 032	32 mm x 1/2"	85	45
032 SEM M04 000 032	32 mm x 3/4"	85	45
032 SEM M10 000 032	32 mm x 1"	85	45
040 SEM M10 000 040	40 mm x 1"	40	45
040 SEM M12 000 040	40 mm x 1 1/4"	40	45
050 SEM M13 000 050	50 mm x 1 1/2"	25	50
050 SEM M20 000 050	50 mm x 2"	25	50
063 SEM M12 000 063	63 mm x 1 1/4"	12	45
063 SEM M13 000 063	63 mm x 1 1/2"	12	45
063 SEM M20 000 063	63 mm x 2"	12	45
075 SEM M20 000 075	75 mm x 2"	8	45
075 SEM M23 000 075	75 mm x 2 1/2"	8	45
075 SEM M30 000 075	75 mm x 3"	8	45
090 SEM M23 000 090	90 mm x 2 1/2"	5	50
090 SEM M30 000 090	90 mm x 3"	5	50
090 SEM M40 000 090	90 mm x 4"	5	50

COMPRESSION FITTINGS BLACK SERIES



BLACK SERIES FEMALE ADAPTOR ELBOW
Provides a bend with a female thread in pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SEF F03 000 020	20 mm x ½"	175	50
020 SEF F04 000 020	20 mm x ¾"	175	50
025 SEF F03 000 025	25 mm x ½"	100	50
025 SEF F04 000 025	25 mm x ¾"	100	50
025 SEF F10 000 025	25 mm x 1"	100	50
032 SEF F03 000 032	32 mm x ½"	70	50
032 SEF F04 000 032	32 mm x ¾"	70	50
032 SEF F10 000 032	32 mm x 1"	70	50
040 SEF F10 000 040	40 mm x 1"	40	45
040 SEF F12 000 040	40 mm x 1 ¼"	40	45
050 SEF F12 000 050	50 mm x 1 ¼"	20	50
050 SEF F13 000 050	50 mm x 1 ½"	20	50
050 SEF F20 000 050	50 mm x 2"	20	50
063 SEF F12 000 063	63 mm x 1 ¼"	12	45
063 SEF F13 000 063	63 mm x 1 ½"	12	45
063 SEF F20 000 063	63 mm x 2"	12	45
075 SEF F20 000 075	75 mm x 2"	8	45
075 SEF F23 000 075	75 mm x 2 ½"	8	45
075 SEF F30 000 075	75 mm x 3"	8	45
090 SEF F23 000 090	90 mm x 2 ½"	5	50
090 SEF F30 000 090	90 mm x 3"	5	50
090 SEF F40 000 090	90 mm x 4"	5	50



BLACK SERIES MALE ADAPTOR TEE
Provides a branch with a male thread in pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 STM 020 M04 020	20 mm x ¾"	100	55
025 STM 025 M03 025	25 mm x ½"	70	45
025 STM 025 M04 025	25 mm x ¾"	70	45
025 STM 025 M10 025	25 mm x 1"	70	45
032 STM 032 M04 032	32 mm x ¾"	40	55
032 STM 032 M10 032	32 mm x 1"	40	55
040 STM 040 M10 040	40 mm x 1"	25	45
040 STM 040 M12 040	40 mm x 1 ¼"	25	45
040 STM 040 M13 040	40 mm x 1 ½"	25	45
050 STM 050 M12 050	50 mm x 1 ¼"	15	45
050 STM 050 M13 050	50 mm x 1 ½"	15	45
050 STM 050 M20 050	50 mm x 2"	15	45
063 STM 063 M13 063	63 mm x 1 ½"	8	50
063 STM 063 M20 063	63 mm x 2"	8	50
075 STM 075 M20 075	75 mm x 2"	5	40
075 STM 075 M23 075	75 mm x 2 ½"	5	40
075 STM 075 M30 075	75 mm x 3"	5	40
090 STM 090 M20 090	90 mm x 2"	3	50
090 STM 090 M23 090	90 mm x 2 ½"	3	50
090 STM 090 M30 090	90 mm x 3"	3	50
110 STM 110 M23 110	110 mm x 2 ½"	2	35
110 STM 110 M30 110	110 mm x 3"	2	35
110 STM 110 M40 110	110 mm x 4"	2	35



BLACK SERIES FEMALE ADAPTOR TEE
Provides a branch with a female thread in pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
025 STF 025 F03 025	25 mm x ½"	65	50
025 STF 025 F04 025	25 mm x ¾"	65	50
032 STF 032 F03 032	32 mm x ½"	40	50
032 STF 032 F04 032	32 mm x ¾"	40	50
032 STF 032 F10 032	32 mm x 1"	40	50
040 STF 040 F03 040	40 mm x ½"	25	45
040 STF 040 F04 040	40 mm x ¾"	25	45
040 STF 040 F10 040	40 mm x 1"	25	45
040 STF 040 F12 040	40 mm x 1 ¼"	25	45
050 STF 050 F03 050	50 mm x ½"	15	40
050 STF 050 F04 050	50 mm x ¾"	15	40
050 STF 050 F10 050	50 mm x 1"	15	40
050 STF 050 F12 050	50 mm x 1 ¼"	15	40
050 STF 050 F13 050	50 mm x 1 ½"	15	40
063 STF 063 F03 063	63 mm x ½"	8	40
063 STF 063 F04 063	63 mm x ¾"	8	40
063 STF 063 F10 063	63 mm x 1"	8	40
063 STF 063 F12 063	63 mm x 1 ¼"	8	40
063 STF 063 F13 063	63 mm x 1 ½"	8	40
063 STF 063 F20 063	63 mm x 2"	8	40
075 STF 075 F03 075	75 mm x ½"	5	45
075 STF 075 F04 075	75 mm x ¾"	5	45
075 STF 075 F13 075	75 mm x 1 ½"	5	45
075 STF 075 F20 075	75 mm x 2"	5	45
075 STF 075 F23 075	75 mm x 2 ½"	5	45
090 STF 090 F20 090	90 mm x 2"	3	55
090 STF 090 F23 090	90 mm x 2 ½"	3	55
090 STF 090 F30 090	90 mm x 3"	3	55
110 STF 110 F20 110	110 mm x 2"	2	35
110 STF 110 F23 110	110 mm x 2 ½"	2	35
110 STF 110 F30 110	110 mm x 3"	2	35
110 STF 110 F40 110	110 mm x 4"	2	35
020 STE 020 020 020	20 x 20 mm	70	50
025 STE 025 025 025	25 x 25 mm	50	45
032 STE 032 032 032	32 x 32 mm	30	45
040 STE 040 040 040	40 x 40 mm	20	40
050 STE 050 050 050	50 x 50 mm	12	40
063 STE 063 063 063	63 x 63 mm	5	55
075 STE 075 075 075	75 x 75 mm	4	55
090 STE 090 090 090	90 x 90 mm	2	50
110 STE 110 110 110	110 x 110 mm	1	56



BLACK SERIES TEE COUPLING
Provides a branch in pe flexible pipes
20-63 mm: PN10
75-110 mm: PN6

COMPRESSION FITTINGS BLACK SERIES



BLACK SERIES REDUCTION COUPLING

Joins pe flexible pipes of different sizes

20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
032 SRC 032 000 020	32 x 20 mm	75	40
032 SRC 032 000 025	32 x 25 mm	75	40
040 SRC 040 000 020	40 x 20 mm	40	45
040 SRC 040 000 025	40 x 25 mm	40	45
040 SRC 040 000 032	40 x 32 mm	40	45
050 SRC 050 000 025	50 x 25 mm	25	40
050 SRC 050 000 032	50 x 32 mm	25	40
050 SRC 050 000 040	50 x 40 mm	25	40
063 SRC 063 000 025	63 x 25 mm	13	45
063 SRC 063 000 032	63 x 32 mm	13	45
063 SRC 063 000 040	63 x 40 mm	13	45
063 SRC 063 000 050	63 x 50 mm	13	45
075 SRC 075 000 050	75 x 50 mm	7	55
075 SRC 075 000 063	75 x 63 mm	7	55
090 SRC 090 000 050	90 x 50 mm	5	50
090 SRC 090 000 063	90 x 63 mm	5	50
090 SRC 090 000 075	90 x 75 mm	5	50
110 SRC 110 000 063	110 x 63 mm	4	45
110 SRC 110 000 075	110 x 75 mm	3	45
110 SRC 110 000 090	110 x 90 mm	3	45



BLACK SERIES REDUCTION TEE COUPLING

Provides a branch in pe flexible pipes of different sizes

20-63 mm: PN10
75-110 mm: PN6

025 SRT 025 032 025	25 x 32 mm	40	50
032 SRT 032 020 032	32 x 20 mm	40	50
032 SRT 032 025 032	32 x 25 mm	40	50
040 SRT 040 020 040	40 x 20 mm	20	45
040 SRT 040 025 040	40 x 25 mm	20	45
040 SRT 040 032 040	40 x 32 mm	20	45
050 SRT 050 025 050	50 x 25 mm	12	45
050 SRT 050 032 050	50 x 32 mm	12	45
050 SRT 050 040 050	50 x 40 mm	12	45
063 SRT 063 025 063	63 x 25 mm	8	35
063 SRT 063 032 063	63 x 32 mm	8	35
063 SRT 063 040 063	63 x 40 mm	8	35
063 SRT 063 050 063	63 x 50 mm	7	35
075 SRT 075 050 075	75 x 50 mm	4	55
075 SRT 075 063 075	75 x 63 mm	4	55
090 SRT 090 050 090	90 x 50 mm	3	45
090 SRT 090 063 090	90 x 63 mm	3	45
090 SRT 090 075 090	90 x 75 mm	3	45
110 SRT 110 063 110	110 x 63 mm	2	35
110 SRT 110 075 110	110 x 75 mm	1	56
110 SRT 110 090 110	110 x 90 mm	1	56



BLACK SERIES END PLUG COUPLING

Closes the end of pe flexible pipe

20-63 mm: PN10
75-110 mm: PN6

Product code	Size	Sack quantity	Number of sacks in a pallet
020 SKT 020 000 000	20 mm	250	50
025 SKT 025 000 000	25 mm	200	50
032 SKT 032 000 000	32 mm	125	45
040 SKT 040 000 000	40 mm	65	45
050 SKT 050 000 000	50 mm	40	45
063 SKT 063 000 000	63 mm	18	50
075 SKT 075 000 000	75 mm	12	55
090 SKT 090 000 000	90 mm	8	50
110 SKT 110 000 000	110 mm	5	45



CLAMP SADDLES & VALVE BOXES

CLAMP SADDLE WITH BOLTS

CLAMP SADDLE WITH SLIDES

2-WAY CLAMP SADDLE WITH
BOLTS

VALVE BOXES

CLAMP SADDLES

CLAMP SADDLE WITH BOLTS



Product code	Size	Sack quantity	Number of sacks in a pallet
025 C1B 025 F03 025	25 mm x 1/2"	100	50
025 C1B 025 F04 025	25 mm x 3/4"	100	50
032 C1B 032 F03 032	32 mm x 1/2"	90	40
032 C1B 032 F04 032	32 mm x 3/4"	90	40
040 C1B 040 F03 040	40 mm x 1/2"	60	40
040 C1B 040 F04 040	40 mm x 3/4"	60	40
040 C1B 040 F04 040	40 mm x 1"	60	40
050 C1B 050 F03 050	50 mm x 1/2"	40	40
050 C1B 050 F04 050	50 mm x 3/4"	40	40
050 C1B 050 F10 050	50 mm x 1"	40	40
050 C1B 050 F12 050	50 mm x 1 1/4"	40	40
050 C1B 050 F13 050	50 mm x 1 1/2"	40	40
063 C1B 063 F03 063	63 mm x 1/2"	30	40
063 C1B 063 F04 063	63 mm x 3/4"	30	40
063 C1B 063 F10 063	63 mm x 1"	30	40
063 C1B 063 F12 063	63 mm x 1 1/4"	25	40
063 C1B 063 F13 063	63 mm x 1 1/2"	25	40
063 C1B 063 F20 063	63 mm x 2"	25	40
075 C1B 075 F03 075	75 mm x 1/2"	20	40
075 C1B 075 F04 075	75 mm x 3/4"	20	40
075 C1B 075 F10 075	75 mm x 1"	20	40
075 C1B 075 F12 075	75 mm x 1 1/4"	20	40
075 C1B 075 F13 075	75 mm x 1 1/2"	20	40
075 C1B 075 F20 075	75 mm x 2"	20	40
090 C1B 090 F03 090	90 mm x 1/2"	15	50
090 C1B 090 F04 090	90 mm x 3/4"	15	50
090 C1B 090 F10 090	90 mm x 1"	15	50
090 C1B 090 F12 090	90 mm x 1 1/4"	15	50
090 C1B 090 F13 090	90 mm x 1 1/2"	15	50
090 C1B 090 F20 090	90 mm x 2"	15	50
110 C1B 110 F03 110	110 mm x 1/2"	15	40
110 C1B 110 F04 110	110 mm x 3/4"	15	40
110 C1B 110 F10 110	110 mm x 1"	15	40
110 C1B 110 F12 110	110 mm x 1 1/4"	15	40
110 C1B 110 F13 110	110 mm x 1 1/2"	15	40
110 C1B 110 F20 110	110 mm x 2"	15	40



CLAMP SADDLES

CLAMP SADDLE WITH SLIDES

Product code	Size	Sack quantity	Number of sacks in a pallet
032 C1S 032 F03 032	32 mm x 1/2"	125	40
032 C1S 032 F04 032	32 mm x 3/4"	125	40
032 C1S 032 F10 032	32 mm x 1"	125	40
040 C1S 040 F03 040	40 mm x 1/2"	70	40
040 C1S 040 F04 040	40 mm x 3/4"	70	40
050 C1S 050 F03 050	50 mm x 1/2"	55	40
050 C1S 050 F04 050	50 mm x 3/4"	55	40
063 C1S 063 F03 063	63 mm x 1/2"	35	40
063 C1S 063 F04 063	63 mm x 3/4"	35	40
063 C1S 063 F10 063	63 mm x 1"	35	40
075 C1S 075 F03 075	75 mm x 1/2"	25	45
075 C1S 075 F04 075	75 mm x 3/4"	25	45
075 C1S 075 F10 075	75 mm x 1"	25	45
090 C1S 090 F03 090	90 mm x 1/2"	20	40
090 C1S 090 F04 090	90 mm x 3/4"	20	40
090 C1S 090 F10 090	90 mm x 1"	20	40
110 C1S 110 F03 110	110 mm x 1/2"	15	40
110 C1S 110 F04 110	110 mm x 3/4"	15	40
110 C1S 110 F10 110	110 mm x 1"	15	40
110 C1S 110 F12 110	110 mm x 1 1/4"	15	40
110 C1S 110 F13 110	110 mm x 1 1/2"	15	40

CLAMP SADDLES

2-WAY CLAMP SADDLE WITH BOLTS



Product code	Size	Sack quantity	Number of sacks in a pallet
025 C2B 025 F03 025	25 mm x 1/2"	60	50
025 C2B 025 F04 025	25 mm x 3/4"	60	50
032 C2B 032 F03 032	32 mm x 1/2"	60	40
032 C2B 032 F04 032	32 mm x 3/4"	60	40
040 C2B 040 F03 040	40 mm x 1/2"	40	40
040 C2B 040 F04 040	40 mm x 3/4"	40	40
040 C2B 040 F04 040	40 mm x 1"	40	40
050 C2B 050 F03 050	50 mm x 1/2"	30	40
050 C2B 050 F04 050	50 mm x 3/4"	30	40
050 C2B 050 F10 050	50 mm x 1"	30	40
050 C2B 050 F12 050	50 mm x 1 1/4"	30	40
050 C2B 050 F13 050	50 mm x 1 1/2"	30	40
063 C2B 063 F03 063	63 mm x 1/2"	20	40
063 C2B 063 F04 063	63 mm x 3/4"	20	40
063 C2B 063 F10 063	63 mm x 1"	20	40
063 C2B 063 F12 063	63 mm x 1 1/4"	15	40
063 C2B 063 F13 063	63 mm x 1 1/2"	15	40
063 C2B 063 F20 063	63 mm x 2"	15	40
075 C2B 075 F03 075	75 mm x 1/2"	15	40
075 C2B 075 F04 075	75 mm x 3/4"	15	40
075 C2B 075 F10 075	75 mm x 1"	15	40
075 C2B 075 F12 075	75 mm x 1 1/4"	15	40
075 C2B 075 F13 075	75 mm x 1 1/2"	15	40
075 C2B 075 F20 075	75 mm x 2"	15	40
090 C2B 090 F03 090	90 mm x 1/2"	15	50
090 C2B 090 F04 090	90 mm x 3/4"	15	50
090 C2B 090 F10 090	90 mm x 1"	15	50
090 C2B 090 F12 090	90 mm x 1 1/4"	10	50
090 C2B 090 F13 090	90 mm x 1 1/2"	10	50
090 C2B 090 F20 090	90 mm x 2"	10	50
110 C2B 110 F03 110	110 mm x 1/2"	10	40
110 C2B 110 F04 110	110 mm x 3/4"	10	40
110 C2B 110 F10 110	110 mm x 1"	10	40
110 C2B 110 F12 110	110 mm x 1 1/4"	10	40
110 C2B 110 F13 110	110 mm x 1 1/2"	10	40
110 C2B 110 F20 110	110 mm x 2"	10	40

VALVE BOXES

VALVE BOXES

Product code	Size
004 VBX 000 000 000	3/4"
060 VBX 000 000 000	6"
100 VBX 000 000 000	10"
120 VBX 000 000 000	12"
140 VBX 000 000 000	14"
160 VBX 000 000 000	16"



3/4" VALVE BOX



6" VALVE BOX



10" VALVE BOX



12" VALVE BOX



14" JUMBO VALVE BOX



16" JUMBO VALVE BOX



LAY FLAT COUPLINGS

BLUE SERIES

BLACK SERIES

LAY FLAT COUPLINGS BLUE SERIES



BLUE SERIES LAY FLAT COUPLING

Joins pvc lay flat flexible pipes

Max working pressure:
10 bar

Product code	Size	Bag quantity	Box quantity	Box weight
050 EKL K20 000 K20	2"	52	52	5,2 kg
063 EKL K23 000 K23	2 ½"	37	37	5,5 kg
075 EKL K30 000 K30	3"	18	18	5,1 kg
100 EKL K40 000 K40	4"	11	11	5,4 kg
125 EKL K50 000 K50	5"	5	5	4,3 kg
150 EKL K60 000 K60	6"	2	2	2,6 kg



BLUE SERIES LAY FLAT REDUCTION COUPLING

Joins pvc lay flat flexible pipes of different sizes

Max working pressure:
10 bar

063 RCL K23 000 K20	2 ½" x 2"	41	41	5,3 kg
075 RCL K30 000 K20	3" x 2"	24	24	5,1 kg
075 RCL K30 000 K23	3" x 2 ½"	22	22	5,1 kg
100 RCL K40 000 K20	4" x 2"	14	14	5,0 kg
100 RCL K40 000 K23	4" x 2 ½"	14	14	5,2 kg
100 RCL K40 000 K30	4" x 3"	12	12	4,8 kg
125 RCL K50 000 K40	5" x 4"	6	6	4,7 kg
150 RCL K60 000 K40	6" x 4"	3	3	3,1 kg
150 RCL K60 000 K50	6" x 5"	3	3	3,3 kg



BLUE SERIES LAY FLAT MALE ADAPTOR

Connects pvc lay flat flexible pipe to female threaded outlet

Max working pressure:
10 bar

050 ALM K20 000 M20	2" x 2"	65	65	5,7 kg
050 ALM K20 000 M23	2" x 2 ½"	55	55	6,8 kg
063 ALM K23 000 M20	2 ½" x 2"	45	45	5,9 kg
063 ALM K23 000 M23	2 ½" x 2 ½"	38	38	5,7 kg
063 ALM K23 000 M30	2 ½" x 3"	36	36	7,2 kg
063 ALM K23 000 M40	2 ½" x 4"	20	20	5,5 kg
075 ALM K30 000 M20	3" x 2"	36	36	7,1 kg
075 ALM K30 000 M23	3" x 2 ½"	27	27	5,8 kg
075 ALM K30 000 M30	3" x 3"	27	27	6,2 kg
075 ALM K30 000 M40	3" x 4"	20	20	6,0 kg
100 ALM K40 000 M20	4" x 2"	16	16	5,6 kg
100 ALM K40 000 M23	4" x 2 ½"	16	16	5,7 kg
100 ALM K40 000 M30	4" x 3"	14	14	5,1 kg
100 ALM K40 000 M40	4" x 4"	12	12	4,9 kg
125 ALM K50 000 M40	5" x 4"	8	8	5,1 kg
125 ALM K50 000 M50	5" x 5"	6	6	4,3 kg
150 ALM K60 000 M50	6" x 5"	4	4	3,7 kg
150 ALM K60 000 M60	6" x 6"	4	4	3,7 kg



BLUE SERIES LAY FLAT END PLUG

Closes the end of pvc lay flat flexible pipe

Max working pressure:
10 bar

050 KTL K20 000 000	2"	100	100	6,7 kg
063 KTL K23 000 000	2 ½"	57	57	6,1 kg
075 KTL K30 000 000	3"	33	33	6,1 kg
100 KTL K40 000 000	4"	16	16	5,4 kg
125 KTL K50 000 000	5"	10	10	5,8 kg
150 KTL K60 000 000	6"	6	6	4,9 kg



BLACK SERIES LAY FLAT COUPLING

Joins pvc lay flat flexible pipes

Max working pressure:
6 bar

Product code	Size	Bag quantity	Box quantity	Box weight
050 EKL K20 000 K20	2"	52	52	5,2 kg
063 EKL K23 000 K23	2 ½"	37	37	5,5 kg
075 EKL K30 000 K30	3"	18	18	5,1 kg
100 EKL K40 000 K40	4"	11	11	5,4 kg
125 EKL K50 000 K50	5"	5	5	4,3 kg
150 EKL K60 000 K60	6"	2	2	2,6 kg



BLACK SERIES LAY FLAT REDUCTION COUPLING

Joins pvc lay flat flexible pipes of different sizes

Max working pressure:
6 bar

063 RCL K23 000 K20	2 ½" x 2"	41	41	5,3 kg
075 RCL K30 000 K20	3" x 2"	24	24	5,1 kg
075 RCL K30 000 K23	3" x 2 ½"	22	22	5,1 kg
100 RCL K40 000 K20	4" x 2"	14	14	5,0 kg
100 RCL K40 000 K23	4" x 2 ½"	14	14	5,2 kg
100 RCL K40 000 K30	4" x 3"	12	12	4,8 kg
125 RCL K50 000 K40	5" x 4"	6	6	4,7 kg
150 RCL K60 000 K40	6" x 4"	3	3	3,1 kg
150 RCL K60 000 K50	6" x 5"	3	3	3,3 kg



BLACK SERIES LAY FLAT MALE ADAPTOR

Connects pvc lay flat flexible pipe to female threaded outlet

Max working pressure:
6 bar

050 ALM K20 000 M20	2" x 2"	65	65	5,7 kg
050 ALM K20 000 M23	2" x 2 ½"	55	55	6,8 kg
063 ALM K23 000 M20	2 ½" x 2"	45	45	5,9 kg
063 ALM K23 000 M23	2 ½" x 2 ½"	38	38	5,7 kg
063 ALM K23 000 M30	2 ½" x 3"	36	36	7,2 kg
063 ALM K23 000 M40	2 ½" x 4"	20	20	5,5 kg
075 ALM K30 000 M20	3" x 2"	36	36	7,1 kg
075 ALM K30 000 M23	3" x 2 ½"	27	27	5,8 kg
075 ALM K30 000 M30	3" x 3"	27	27	6,2 kg
075 ALM K30 000 M40	3" x 4"	20	20	6,0 kg
100 ALM K40 000 M20	4" x 2"	16	16	5,6 kg
100 ALM K40 000 M23	4" x 2 ½"	16	16	5,7 kg
100 ALM K40 000 M30	4" x 3"	14	14	5,1 kg
100 ALM K40 000 M40	4" x 4"	12	12	4,9 kg
125 ALM K50 000 M40	5" x 4"	8	8	5,1 kg
125 ALM K50 000 M50	5" x 5"	6	6	4,3 kg
150 ALM K60 000 M50	6" x 5"	4	4	3,7 kg
150 ALM K60 000 M60	6" x 6"	4	4	3,7 kg



BLACK SERIES LAY FLAT END PLUG

Closes the end of pvc lay flat flexible pipe

Max working pressure:
6 bar

050 KTL



ASSEMBLY TOOLS

[PERFORATORS](#)

[OTHER TOOLS](#)

ASSEMBLY TOOLS PERFORATORS



DRIPLINE HOLE PERFORATOR

Product code	Size
002 DDA 000 000 000	2 mm
003 DDA 000 000 000	3 mm
004 DDA 000 000 000	4 mm



DE LUXE DRIPLINE HOLE PERFORATOR

002 DMA 000 000 000	2 mm
003 DMA 000 000 000	3 mm
004 DMA 000 000 000	4 mm



LAY FLAT HOLE PERFORATOR

014 LDA 000 000 000	14 mm
015 LDA 000 000 000	15 mm
016 LDA 000 000 000	16 mm
017 LDA 000 000 000	17 mm



MULTIFUNCTIONAL HOLE PERFORATOR

000 FDA 000 000 000	-
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ASSEMBLY TOOLS OTHER TOOLS



LAY FLAT STAINLESS STEEL CLAMP

Product code	Size
050 LFC 051 000 059	51-59 mm
063 LFC 063 000 072	63-72 mm
075 LFC 076 000 084	76-84 mm
100 LFC 101 000 110	101-110 mm
125 LFC 127 000 135	127-135 mm
150 LFC 152 000 160	152-160 mm



LAY FLAT OFFTAKE BOLT PUNCHER

000 LFA 000 000 000	13 mm
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PIPE DRILL

016 BDM D16 000 000	16 mm
019 BDM D19 000 000	19 mm
022 BDM D22 000 000	22 mm
026 BDM D26 000 000	26 mm



PLANT CLIP

023 SBK 000 000 000	23 mm
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COMPRESSION COUPLING SPANNER

063 CSP 063 000 032	32 - 63 mm
110 CSP 110 000 075	75 - 110 mm



FILTRATION

DISC FILTERS
SCREEN FILTERS
GRAVEL FILTERS
HYDROCYCLONES
FERTILIZER TANKS



MINI PLASTIC DISC FILTER
Max working pressure:
6 bar
Max working temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Disc

Product code	Size	Flow rate	Filtration surface	Weight
025 MPD M04 003 M04	¾"	3 m³/h	155 cm²	0,31 kg
032 MPD M10 005 M10	1"	5 m³/h	155 cm²	0,31 kg
040 MPD M12 008 M12	1 ¼"	8 m³/h	403 cm²	0,42 kg
050 MPD M13 010 M13	1 ½"	10 m³/h	403 cm²	0,86 kg
063 MPD M20 012 M20	2"	12 m³/h	403 cm²	0,90 kg



ECO PLASTIC DISC FILTER
Max working pressure:
8 bar
Max working temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Disc

063 EPD M20 025 M20	2"	25 m³/h	1008 cm²	3,55 kg
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PLASTIC DISC FILTER
Max working pressure:
8 bar
Max working temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Disc

063 PSD M20 030 M20	2"	30 m³/h	1302 cm²	6,8 kg
063 PSD M20 035 M20	2"	35 m³/h	1805 cm²	8,0 kg
090 PSD M30 040 M30	3"	40 m³/h	1302 cm²	7,0 kg
090 PSD M30 045 M30	3"	45 m³/h	1805 cm²	8,1 kg



HORIZONTAL PLASTIC DISC FILTER
Max working pressure:
8 bar
Max working temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Disc

075 PHD M23 035 M23	2 ½"	35 m³/h	1302 cm²	6,7 kg
075 PHD M23 040 M23	2 ½"	40 m³/h	1805 cm²	7,9 kg
090 PHD M30 040 M30	3"	40 m³/h	1302 cm²	6,9 kg
090 PHD M30 045 M30	3"	45 m³/h	1805 cm²	8,0 kg



DOUBLE PLASTIC DISC FILTER
Max working pressure:
8 bar
Max working temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Disc

090 DPD M30 050 M30	3"	50 m³/h	2604 cm²	11,6 kg
090 DPD M30 060 M30	3"	60 m³/h	3610 cm²	13,7 kg
110 DPD M40 070 M40	4"	70 m³/h	2604 cm²	11,4 kg
110 DPD M40 080 M40	4"	80 m³/h	3610 cm²	13,4 kg



METAL DISC FILTER

Product code	Size	Dimensions	Flow rate
063 FMD 025 165 250	2"	Ø165 x 250 mm	15-25 m³/h
063 FMD 025 220 250	2"	Ø220 x 250 mm	15-25 m³/h
075 FMD 030 220 350	2 ½"	Ø225 x 350 mm	25-30 m³/h
090 FMD 035 220 400	3"	Ø220 x 400 mm	30-35 m³/h
110 FMD 040 220 500	4"	Ø220 x 500 mm	35-40 m³/h
140 FMD 080 220 750	5"	Ø220 x 750 mm	40-80 m³/h



METAL DISC FILTER WITH STAND

063 FMS 025 165 250	2"	Ø165 x 250 mm	15-25 m³/h
063 FMS 025 220 250	2"	Ø220 x 250 mm	15-25 m³/h
075 FMS 030 220 350	2 ½"	Ø225 x 350 mm	25-30 m³/h
090 FMS 035 220 400	3"	Ø220 x 400 mm	30-35 m³/h
110 FMS 040 220 500	4"	Ø220 x 500 mm	35-40 m³/h
140 FMS 080 220 750	5"	Ø220 x 750 mm	40-80 m³/h



DOUBLE METAL DISC FILTER

063 FDD 050 220 250	2"	Ø220 x 250 mm	30-50 m³/h
075 FDD 060 220 350	2 ½"	Ø225 x 350 mm	50-60 m³/h
090 FDD 070 220 400	3"	Ø220 x 400 mm	60-70 m³/h
110 FDD 080 220 500	4"	Ø220 x 500 mm	70-80 m³/h



DOUBLE METAL DISC FILTER WITH STAND

063 FDS 050 220 250	2"	Ø220 x 250 mm	30-50 m³/h
075 FDS 060 220 350	2 ½"	Ø225 x 350 mm	50-60 m³/h
090 FDS 070 220 400	3"	Ø220 x 400 mm	60-70 m³/h
110 FDS 080 220 500	4"	Ø220 x 500 mm	70-80 m³/h

FILTRATION SCREEN FILTERS



MINI PLASTIC SCREEN FILTER
Max working pressure:
6 bar
Max working
temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Screen

Product code	Size	Flow rate	Filtration surface	Weight
025 MPE M04 003 M04	¾"	3 m³/h	116 cm²	0,25 kg
032 MPE M10 005 M10	1"	5 m³/h	116 cm²	0,26 kg
040 MPE M12 008 M12	1 ¼"	8 m³/h	280 cm²	0,86 kg
050 MPE M13 010 M13	1 ½"	10 m³/h	280 cm²	0,80 kg
063 MPE M20 012 M20	2"	12 m³/h	280 cm²	0,84 kg



ECO PLASTIC SCREEN FILTER
Max working pressure:
8 bar
Max working
temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Screen

063 EPE M20 025 M20	2"	25 m³/h	606 cm²	2,77 kg
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PLASTIC SCREEN FILTER
Max working pressure:
8 bar
Max working
temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Screen

063 PSE M20 030 M20	2"	30 m³/h	726 cm²	5,7 kg
063 PSE M20 035 M20	2"	35 m³/h	968 cm²	6,4 kg
090 PSE M30 045 M30	3"	40 m³/h	726 cm²	5,8 kg
090 PSE M30 055 M30	3"	45 m³/h	968 cm²	6,6 kg



HORIZONTAL PLASTIC SCREEN FILTER
Max working pressure:
8 bar
Max working
temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Screen

075 PHE M23 035 M23	2 ½"	35 m³/h	726 cm²	5,5 kg
075 PHE M23 040 M23	2 ½"	40 m³/h	968 cm²	6,2 kg
090 PHE M30 045 M30	3"	45 m³/h	726 cm²	5,6 kg
090 PHE M30 055 M30	3"	55 m³/h	968 cm²	6,3 kg



DOUBLE PLASTIC SCREEN FILTER
Max working pressure:
8 bar
Max working
temperature: 60 °C
Filtration sensitivity:
20-50-100-125 micron
Cartridge: Screen

090 DPE M30 050 M30	3"	50 m³/h	1452 cm²	9,0 kg
090 DPE M30 060 M30	3"	60 m³/h	1936 cm²	8,7 kg
110 DPE M40 070 M40	4"	70 m³/h	1452 cm²	12,6 kg
110 DPE M40 080 M40	4"	80 m³/h	1936 cm²	10,2 kg

SINGLE GRAVEL FILTER WITH BACKFLUSH



Product code	Size	Dimensions	Flow rate
063 G1F 025 600 000	2"	Ø600 mm	15-25 m³/h
075 G1F 030 600 000	2 ½"	Ø600 mm	25-30 m³/h
090 G1F 035 660 000	3"	Ø660 mm	30-35 m³/h
110 G1F 040 660 000	4"	Ø660 mm	35-40 m³/h

DOUBLE GRAVEL FILTER WITH BACKFLUSH



063 G2F 030 600 000	2"	Ø600 mm	15-30 m³/h
075 G2F 045 600 000	2 ½"	Ø600 mm	30-45 m³/h
090 G2F 060 660 000	3"	Ø660 mm	45-60 m³/h
110 G2F 080 660 000	4"	Ø660 mm	60-80 m³/h

TRIPLE GRAVEL FILTER WITH BACKFLUSH



140 G3F 080 660 000	5"	Ø660 mm	80-100 m³/h
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QUADRUPLE GRAVEL FILTER WITH BACKFLUSH



160 G4F 140 660 000	6"	Ø660 mm	100-140 m³/h
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SEXTUPLE GRAVEL FILTER WITH BACKFLUSH



225 G6F 230 660 000	8"	Ø660 mm	140-230 m³/h
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FILTRATION HYDROCYCLONES



HYDROCYCLONE

Product code	Size	Dimensions	Flow rate
063 FMH 025 200 000	2"	Ø200 mm	15-25 m ³ /h
063 FMH 025 250 000	2"	Ø250 mm	15-25 m ³ /h
075 FMH 030 250 000	2 ½"	Ø250 mm	25-30 m ³ /h
090 FMH 035 250 000	3"	Ø250 mm	30-35 m ³ /h
110 FMH 060 380 000	4"	Ø380 mm	35-60 m ³ /h

FERTILIZER TANKS



FERTILIZER TANK

Product code	Size	Dimensions	Flow rate
050 FRT 050 380 000	50 lt	Ø380 mm	-
100 FRT 100 430 000	100 lt	Ø430 mm	-
150 FRT 150 500 000	150 lt	Ø500 mm	-
200 FRT 200 600 000	200 lt	Ø600 mm	-
300 FRT 300 660 000	300 lt	Ø660 mm	-
500 FRT 500 750 000	500 lt	Ø750 mm	-



FERTILIZER ADAPTOR

063 FRA M20 000 M20	2"	-	-
075 FRA M23 000 M23	2 ½"	-	-
090 FRA M30 000 M30	3"	-	-
110 FRA M40 000 M40	4"	-	-
140 FRA M50 000 M50	5"	-	-



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