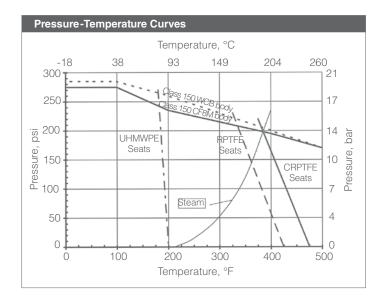


Features

- Investment cast 2-piece body construction
- ISO 5211 actuator mounting pad
- Blow-out proof stem
- Reinforced PTFE seats
- Adjustable, live loaded PTFE packing w/O-ring secondary seal
- API 598 inspection and testing
- PED 97/23/EC; ISO 9001
- Locking lever operator
- Ammonia service available upon request

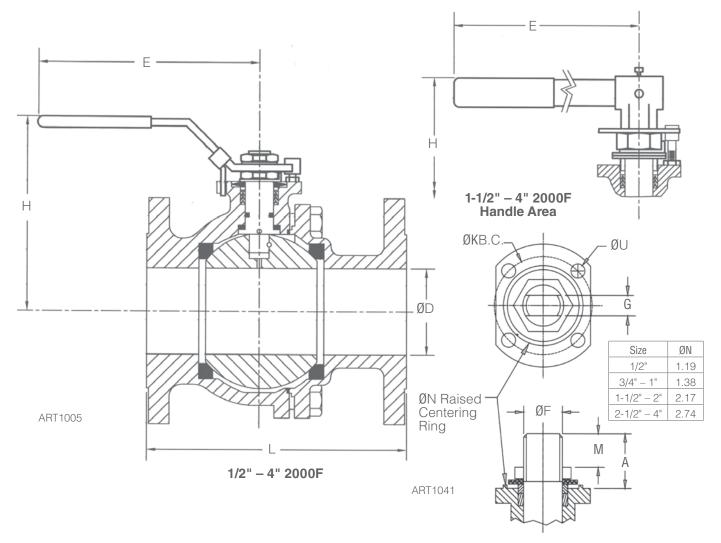


Technical Specifications: Please refer to bottom page 3

2000F-xxx-CS-F1 Series Full Port Valve 2000F-xxx-S6-F1 Series Full Port Valve

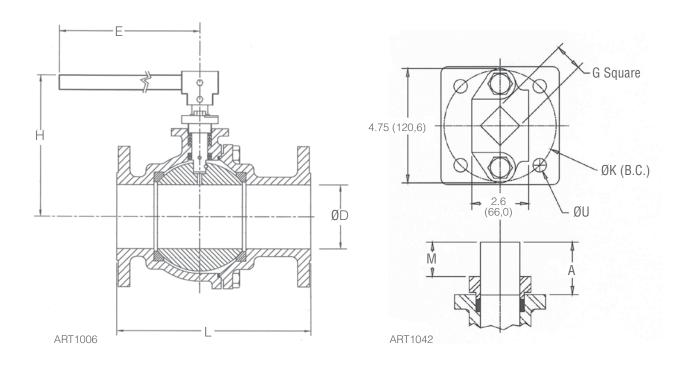
Quick Spec					
Pr	oduct Scope				
Size Range	1/2" - 6", Full Port				
Body Type	2-pc Split Entry				
Pressure Rating / Ends	ASME Class 150, Flanged Ends				
Temperature Range / WSP	-20°F to 400°F / 150 psi Steam -29°C to 204°C / 10,3 bar steam				
Body	Stainless or Carbon Steel				
Ball & Stem	Stainless Steel, Anti Static Design				
Ball Seats	RPTFE				
Stem Packing	Adjustable, Live Loaded PTFE				
Stem Seals	Viton O-Ring				
Body Seal / Thrust Washer	RPTFE / RPTFE (50% SST)				
Operator / Mounting Pad	Manual Locking Lever / ISO 5211				
Des	sign Standards				
Design	ASME B16.34				
Face to Face	ASME B16.10				
Flange Dimensions	ASME B16.5				
Tes	ting Standards				
Pressure Testing	API 598				
	Approvals				
PED 97	7/23/EC; ISO 9001				

Materials of Constructi	on					
Part	Stainless Steel	Carbon Steel				
Body	ASTM A351 CF8M	ASTM A216 WCB				
End Cap	ASTM A351 CF8M	ASTM A216 WCB				
Ball	ASTM A3	51 CF8M				
Stem	AISI	316				
Seat Ring	RP1	ГСС				
Seal, Body						
Bolt, Body	ASTM A193 B8 (AISI 30					
Antistatic Pin (1/2"-4")	AISI	316				
Bearing Washer	50% SS / 5	50% PTFE				
Thrust Washer	PT	FF				
Packing	1 1	· L				
O-Ring, Stem (1/2"-4")	Viton					
Packing Follower (1/2"-4")	AISI					
Gland (6")	ASTM A3	51 CF8M				
Belleville Washer (1/2"-4")						
Bolt, Gland (6")						
Stop Plate (1-1/2"-6")		004				
Lock Washer (Saddle), Packing Nut (1/2"-1")	AISI	304				
Nut, Packing (1/2"-4")						
Retaining Ring (6")						
Adaptor, Handle (1-1/2"-6")	AISI 304 (1-1/2"-4	1") / Cast Iron (6")				
Handle (1/2"-1")	AISI	304				
Handle (1-1/2"-6")	Steel, Plated (2	"-4") / Steel (6")				
Lock Washer, Handle (1/2"-1")	AISI	304				
Nut, Handle (1/2"-1")						
Bolt, Handle (1-1/2"-4")	AISI 304 (1-1/2"-4") / Steel (6")					
Cover, Handle (1/2"-4")	Vir					
Bolt, Stop (1/2"-4")	AISI	304				



Dimens	ions, Inch	es											
Valve Size		2000F - 150 Series											
Inches	ØD	L	Н	Е	ISO 5211	ØU	ØK	G	ØF	ØN	А	М	Weight, Ibs
1/2"	0.59	4.25	3.5	5.9	F04	M5	1.65	0.248	0.374	1.19	0.78	0.50	8.8
3/4"	0.79	4.63	3.9	5.9	F04	M5	1.65	0.248	0.374	1.19	0.71	0.41	9.9
1"	0.98	5.00	4.3	7.1	F05	M6	1.97	0.315	0.441	1.38	0.88	0.50	11.0
1-1/2"	1.57	6.50	5.0	7.4	F07	M8	2.76	0.374	0.626	2.17	1.14	0.70	17.6
2"	1.97	7.00	6.0	11.0	F07	M8	2.76	0.374	0.626	2.17	1.14	0.75	24.3
2-1/2"	2.56	7.50	7.0	15.0	F07	M8	2.76	0.669	0.870	2.17	1.67	0.85	37.5
3"	2.99	8.00	7.5	15.0	F10	M10	4.02	0.669	1.114	2.74	1.85	1.15	50.7
4"	3.82	9.00	9.0	15.0	F10	M10	4.02	0.669	1.114	2.74	1.89	1.20	68.3

Dimens	ions, mm												
Valve Size		2000F - 150 Series											
NPS	ØD	L	Н	Е	ISO 5211	ØU	K	G	ØF	ØN	А	M	Weight, kgs
DN15	15,0	108	89	150	F04	M5	42,0	6,3	9,5	30,2	19,8	12,7	4,0
DN20	20,0	117,6	99	150	F04	M5	42,0	6,3	9,5	30,2	18,1	10,4	4,5
DN25	25,0	127	109	180	F05	M6	50,0	8,0	11,2	35,1	22,4	12,7	5,0
DN40	40,0	165,1	127	188	F07	M8	70,0	9,5	15,9	55,1	29,0	17,8	8,0
DN50	50,0	177,8	152	279	F07	M8	70,0	9,5	15,9	55,1	29,0	19,1	11,0
DN65	65,0	190,5	178	381	F07	M8	70,0	17,0	22,1	55,1	42,4	21,6	17,0
DN80	76,0	203,2	191	381	F10	M10	102,0	17,0	28,3	69,6	47,0	29,2	23,0
DN100	97,0	228,1	229	381	F10	M10	102,0	17,0	28,3	69,6	48,0	30,5	31,0



Dimensions, Inches											
Valve Size		2000F - 150									
Inches	ØD	L	Н	Е	ISO 5211	ØU	ØK	G	А	М	Weight, Ibs
6"	5.8	15.50	11.5	26.5	F12	M12	4.92	0.984	3.03	2.19	125

Dimensions	s, mm										
Valve Size		2000F - 150									
NPS	ØD	L	Н	Е	ISO 5211	ØU	K	G	А	М	Weight, kgs
DN150	148	394	292	673	F12	M12	125	25,0	77,0	55,6	57

Technical Sp	ecifications	
Valve Size Inches	Operating Torque, in-lb @ 285 psig	Flow Coefficient, Cv
1/2"	88	29
3/4"	106	56
1"	110	90
1-1/2"	220	256
2"	380	424
2-1/2"	585	757
3"	900	1150
4"	1600	2000
6"	3500	5000

Technical Sp	pecifications, metric	
Valve Size NPS	Operating Torque, N-m @ 19,6 bar	Flow Coefficient, Kv
DN15	10	25
DN20	12	48
DN25	12	77
DN40	25	220
DN50	43	364
DN65	66	651
DN80	102	990
DN100	181	1720
DN150	395	4300



Model		Size	Body Mat'l		End Connections	1	2	3	4	5	6	7	8	9	10	11	12
	_			_													

2000F	2 Piece Ball Valve
	Size
050	1/2"
075	3/4"
100	1"
150	1-1/2"
200	2"
250	2-1/2"
300	3"
400	4"

Model Number

6"

Body Material						
CS Carbon Steel						
S6	Stainless Steel					

	Life Confections
F1	Class 150 FE
1	Packing/Seat
Α	PTFE/PTFE
В	PTFE/RPTFE (Standard)
С	PTFE/C-RPTFE
G	Grafoil/C-RPTFE

2	Ends
F	Class 150 FE

UHMW-PE/UHMW-PE

3&4		Operati	ion
HL	Lever		
NN	None		
P1	UT-0A-DA STD	S6	UT-3.5-SR STD
P2	UT-0-DA STD	S7	UT-4-SR STD
P3	UT-1-DA STD	SF	UT-4.5-SR STD
P4	UT-2-DA STD	S8	UT-5-SR STD
P5	UT-2.5-DA STD	S9	UT-6-SR STD
P6	UT-3-DA STD	M1	ER-1-2.5-4 110 VAC
P7	UT-3.5-DA STD	M2	ER-2-5-4 110 VAC
P8	UT-4-DA STD	МЗ	ER-3-5-4 110 VAC
S1	UT-0-SR STD	M8	ER-4-10-4 110 VAC
S2	UT-1-SR STD	M4	ER-6-15-4 110 VAC
S3	UT-2-SR STD	M5	ER-10-15-4 110 VAC
S4	UT-2.5-SR STD	M9	ER-15-30-4 110 VAC
S5	UT-3-SR-STD	MA	ER-20-12-4 110 VAC
ZZ	Non-Standard		

5&6	Actuator Pressure
60	60 psi
80	80 psi
NN	N/A (no pneumatic actuator)
ZZ	Non-Standard

7&8	Solenoid Feature	Act. Type
00	None	
3A	3W 8551-120VAC N4 UT-0/5	SR
3C	3W EF8551-120VAc N7 UT-0/5	SR
3J	3W 8317G35-120VAC N4 UT-0/2.5	SR
3M	3W 8321G1-120VAC N4 UT-3/5	SR
3Q	3W EF8317G35-120VAC N7 UT-0/2.5	SR
3R	3W EF8321G1-120VAC N7 UT-3/5	SR
4A	4W 8551-120VAC N4 UT-0A	DA
4B	4W 8551-120VAC N4 UT-0/5	DA
4D	4W EF8551-120VAC N7 UT-0A	DA
4E	4W EF8551-120VAC N7 UT0/5	DA
ZZ	Non-Standard	

9&10	Limit Swtich
00	None
AA	LS FMYB-5120-N4 to UT-0/3
AB	LS FMYB-5120-N4 to UT-3.5/7
AC	LS AMYB-5120-N7 to UT-0/3
AD	LS AMYB-5120-N7 to UT-3.5/7
0Z	Non-Standard

11&12	Fail Position
NN	Fail Position N/A (No "SR" Actuator)
01	Fail Closed
02	Fail Open

Marwin Valve

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A Division of Richards Industrials, 3170 Wasson Road, Cincinnati, OH 45209 toll free. 800.543.7311, local. 513.533.5600, fax. 513.871.0105 www.marwinvalve.com