KLÜG
HYDRAULICS

HYDRAULIC COMPONENT

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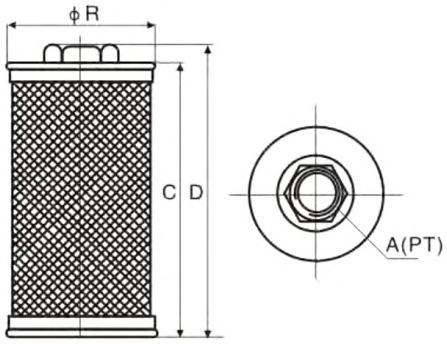
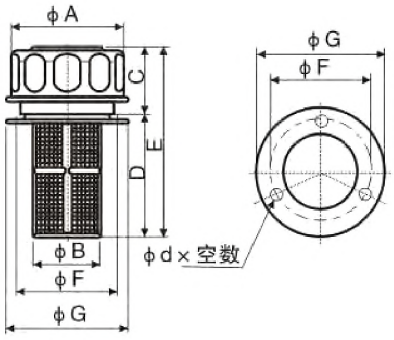
JL TYPE SUCTION FILTRE



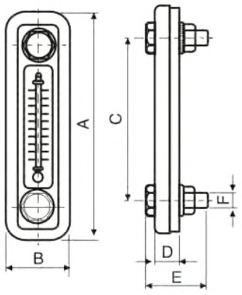
Model	A(PT)	B(mm)	C(mm)	D(mm)	Flow (L/min)	Filtration mesh	Weight (kg)
JL-02	1/4"	55	82	90	25	100	0.08
JL-03	3/8"	55	82	90	25		0.08
JL-04	1/2"	66	82	90	35		0.09
JL-06	3/4"	66	122	132	60		0.14
JL-08	1"	66	142	152	110		0.17
JL-10	11/4"	66	162	176	210		0.19
JL-12	11/2"	82	182	196	260		0.25
JL-16	2"	103	182	197	390		0.36
JL-20	21/2"	115	232	135	600		1.14
JL-24	3"	135	232	235	700		1.20
JL-32	4"	158	250	270	900		1.80

FILIER BREATHER FILTERS

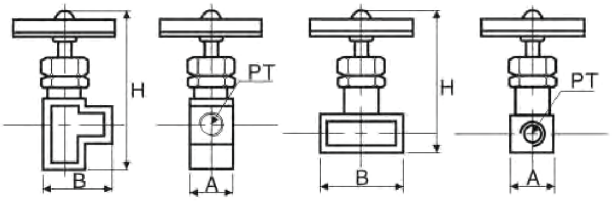


Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Hole(Dx)	Filtration mesh	Weight(kg)
AB-1162	54	31	31	68	99	45.5	57	30	50	0.08
AB-1163	81	48	47	90	132	71	99	87	50	0.21

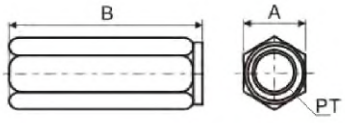
FLUID LEVEL & TEMPERATURE GAUGES



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)
LS-3"	118	41	80	16.5	39	M10	0.19
LS-5"	178	50	127	19	47	M12	0.35



Model	PT	A(mm)	B(mm)	H(mm)	Flow (L/min)	Max. pressure (Kgf/cm²)	Weight (kg)
GCT-02	1/4"	22	48	85	3	250	0.23
GCLT-02	1/4"	22	40	99	3	250	0.24
GCT-03	3/8"	26	52	92	21	250	0.24
GCLT-03	3/8"	26	65	98	21	250	0.23



Model	PT	A(mm)	B(mm)	Flow (L/min)	Max. pressure (Kgf/cm²)	Weight (kg)
CIT-02	1/4"	19	65	30	210	0.12
CIT-03	3/8"	24	74	40	210	0.21
CIT-04	1/2"	30	81	60	210	0.34
CIT-06	3/4"	36	91	100	210	0.53
CIT-08	1"	46	114	150	210	1.10
CIT-10	1 - 1/4"	55	133	200	210	1.80
CIT-12	1 - 1/2"	65	134	280	210	2.70
CIT-16	2"	80	158	400	210	3.62

Remarks: The valve crack preasure of CIT inline check valve are 0.5kgf/cm² and 5kgf/cm².

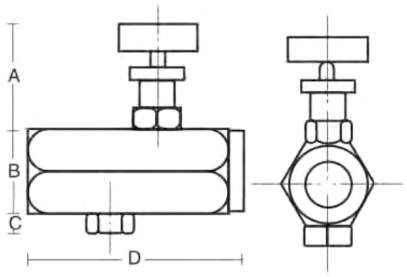
KC FLOW CONTROL VALVE

1. The steel body can withstand a pressure of 25-30MPa.
2. All have been tested for withstand voltage and leakage, and the effect is excellent.
3. The interior is processed precisely, and the flow rate adjustment speed is linear.

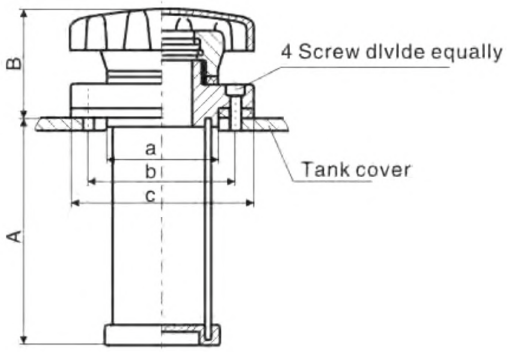
The hydraulic air filter produced by our company is a new type of hydraulic accesory.
They have eight specifications.
The structure of this product consists of two parts: air filtration and refueling filtration.
It can not only prevent particulate impurities from being mixed in the refueling process, thereby simplifying the structure of the fuel tank, but also beneficial for the purification of the oil.
This product uses (copper-based powder) Taijin sintered filter, and non-metallic filter.
In comparision, it has stable filtration accuracy, high strength, strong plasticity, convenient disassembly and washing, and can be permanently exposed to thermal stress and features such as impact and normal work under high temperature. Over the years, it has been used in many hydraulic system oil tanks.

TECHNICAL DATA

Model	PT	A	B	C	D
KC-02	1/4"	37	24	7	64
KC-03	3/8"	40	27		68
KC-04	1/2"	42	32	10	81
KC-06	3/4"	46	41	12	92



WORKING PRINCIPLE AND USE



Model	EF_1—25	EF_2—32	EF_3—40	EF_4—50	EF_5—65	EF_6—80	EF—100	EF_8—120
Filter flow (1/min)	9	4	21	32	47	70	110	160
Air flow rate (1/min)	65	105	170	260	450	675	1055	1512
Oil filter area (cm^2)	80	120	180	270	400	600	942	1370
A (mm)	80	100	120	150	190	220	274	333
B (mm)	45	50	55	59	70	80	88	98
a (mm)	ϕ39	ϕ47	ϕ55	ϕ66	ϕ81	ϕ96	ϕ118	ϕ138
b (mm)	ϕ51	ϕ59	ϕ66.5	ϕ82	ϕ102	ϕ120	ϕ140	ϕ160
c (mm)	ϕ64	ϕ70	ϕ80	ϕ92	ϕ120	ϕ140	ϕ160	ϕ180
Screw (mm)	M4x10	M4x10	M5x14	M6x14	M8x16	M8x16	M8x20	M8x20
Air filtration (mm)	0.279	0.279	0.279	0.105	0.105	0.105	0.105	0.105

When the hydraulic system is working, the oil level in the tank rises or falls from time to time, discharges ir from the inside to the outside when it rises, and sucks in air from the outside when it falls. In order to purify the oil in the fuel tank, the air filter is installed directly on the tank parallel plate to filter the inhaled air; at the same time, the air filter is the oil filling port, and the injected new working oil must be filtered before entering the oil tank. And filter out the dirt particles in the oil.
In the hydraulic system, purifying the working oil is a very important link. The air filter can keep te oil in the fuel tank clean, which can prevent dirt particles from entering the fuel tank from the outside, and it can prolong the working cycle and service life of the oil and components, thus ensuring the normal operation of the hydraulic system. In addition, the air filter can maintain the pressure in the fuel tank when hydraulic system is working balance with atmospheric pressure to avoid possible cavitation in the pump.

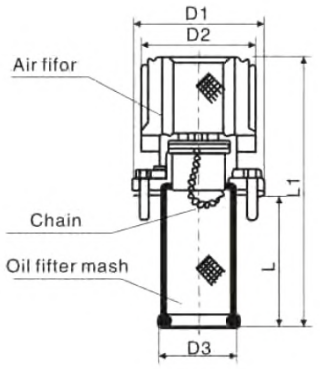
MODEL DESCRIPTION

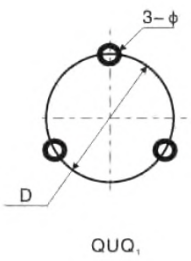
QUQ [ ] – [ ] X [ ] · [ ]

- Breather filter series
- Model: 1, 2, 3...
- Air filtration: (m
- Air flow rate:(m²/min)
- Water-glycol omit if use hydraulic oil

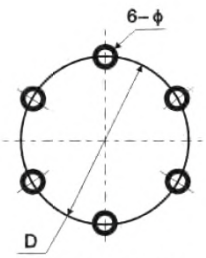
TECHNICAL DATA

Model	QUQ1-*x*	QUQ2-*x*	QUQ2.5-*x*	QUQ3-*x*	QUQ4-*x*	QUQ5-*x*
Air filtration	10 20 40					
Air flow rata (m²/min)	0.25 0.4 1.0	0.63 1.0 2.5	1.0 2.0 3.0	1.0 2.5 4.0	2.5 4.0 6.3	4.0 6.3 1.0
Temp. range (°C)	-200-+100					
Oil filter mesh (mm)	0.5 (or as customer required)					





QUQ₁



QUQ₂–QUQ₅

Connect flange with tank

Model	D	D1	D2	D3	L	L1	Screw	ϕ
QUQ1	ϕ41.3	ϕ50	ϕ44	ϕ28	ϕ82	ϕ134	3 - M4 x 16	ϕ4.5
QUQ2	ϕ73	ϕ83	ϕ76	ϕ48	ϕ98	ϕ159	6 - M4 x 16	
QUQ2b	ϕ88	ϕ97	ϕ76	ϕ48	ϕ98	ϕ159	6 - M4 x 16	
QUQ2.5	ϕ110	ϕ123	ϕ113	ϕ76	ϕ150	ϕ239	6 - M4 x 16	
QUQ2.5b	ϕ105	ϕ123	ϕ90	ϕ80	ϕ185	ϕ237	4 - M8 x 16	ϕ9
QUQ3	ϕ145	ϕ160	ϕ150	89	ϕ195	ϕ320	6 - M4 x 16	ϕ4.5
QUQ4	ϕ250	ϕ280	ϕ256	ϕ153	ϕ254	ϕ379	6 - M10 x 20	ϕ11
QUQ5	ϕ280	ϕ320	ϕ295	ϕ197	ϕ270	ϕ395	6 - M12 x 20	ϕ13