



### Technical Data

- Operating temperature -20 +120°C.
- Compatibility with hydraulic fluids per ISO 2943.
- Flow rate and pressure drop determined per ISO 3968 with oil kinematic viscosity 30cSt at 40°C and density 0,875 kg/dm<sup>3</sup>.

### Filter Elements

- Wire mesh: 60-90-250 micron.
- Cellulose media: 50 micron.
- Collapse resistance 500 kPa (5 bar) per ISO 2941.

## Strainers

SUCTION FILTERS  
IN-TANK

Family	WIRE MESH			CELLULOSE MEDIA		CARTRIDGE CODE
	RMF	/9	/6	RMF	/3	
		90µm	60µm		$\beta_{50\mu m(c)}=1000$	
FIOA20	10	P171861	P171863	5	P171862	FIOA20
FIOA35	17	P171865	P171867	9	P171866	FIOA35
FIOA50	25	P171869	P171871	13	P171870	FIOA50
FIOA85	43	P171873	P171875	20	P171874	FIOA85
FIOA90	45	P171877	P171879	25	P171878	FIOA90
FIOA130	65	P171885	P171887	35	P171886	FIOA130
FIOA160	80	P763478	P764370	40	P764371	FIOA160
FIOA175	85	P171889	P171891	45	P171890	FIOA175
FIOA180	90	P172452	P172454	50	P172453	FIOA180
FIOA220	110	P760151	P760173	55	P760175	FIOA220
FIOA230	116	P171893	P171895	60	P171894	FIOA230
FIOA360	186	P171897	P171899	90	P171898	FIOA360
FIOA500	250	P171901	P171903	120	P171902	FIOA500
FIOA600	300	P171905	P171907	150	P171906	FIOA600
FIOA800	400	P171909	P171911	200	P171910	FIOA800

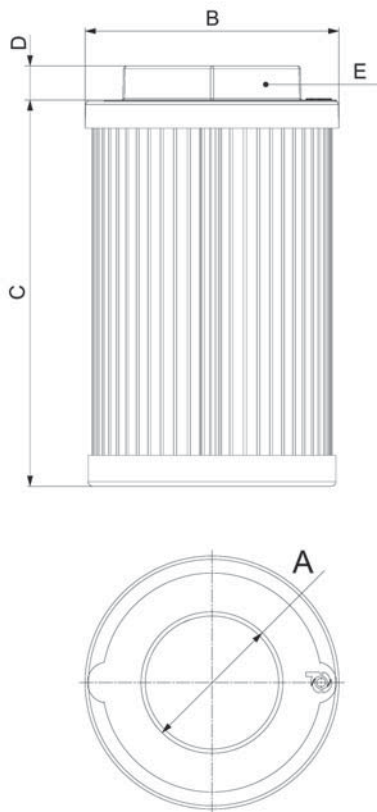
Strainer Dimensions Thread per ISO 228/1				
A	B	C	D	E
	mm	mm	mm	mm
G 3/8	52	68	9	22
G 1/2	69	76	12	27
G 3/4	75	83	12	36
G 1	95	83	14	46
G 1	75	131	10	46
G 1 1/4	95	172	12	60
G 1 1/2	86	130	12	60
G 1 1/2	140	98	15	60
G 1 1/2	95	205	12	60
G 2	101	205	14	80
G 2	140	138	15	80
G 2	140	205	15	80
G 2	140	301	15	80
G 2 1/2	140	301	16	106
G3	140	301	16	106

RMF = Recommended Maximum Flow in liters/minute

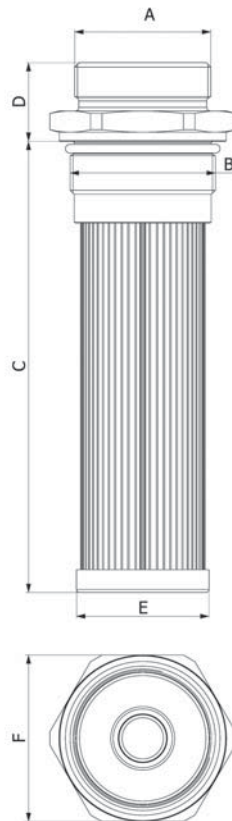
WIRE MESH		
Family	RMF	
FIOA90S	45	P765208
FIOA90S	65	P766638

Strainer Dimensions								
Efficiency	A	B	C	D	E	F	BPV	Reference Drawing
$\mu\text{m}$		mm	mm	mm	mm	mm	bar	
90	diam 32	M48x1.5	155	48	45	50	NA	B
125	M45x2	M48x2	150	26	44	55	1	A

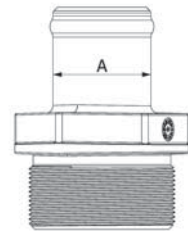
BPV= Bypass Valve Setting



Reference Drawing A



Reference Drawing B

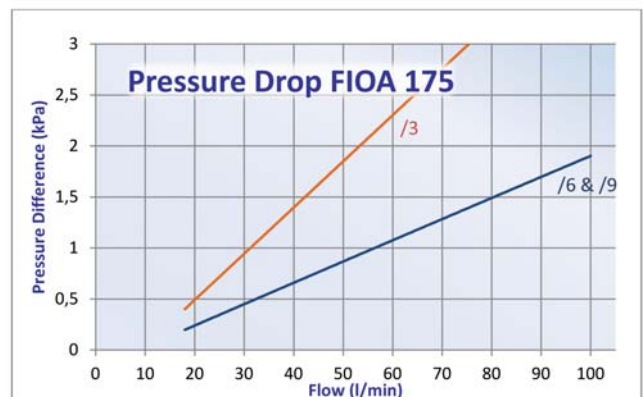
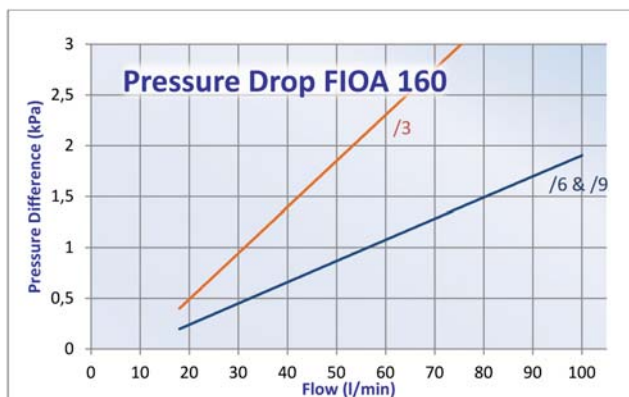
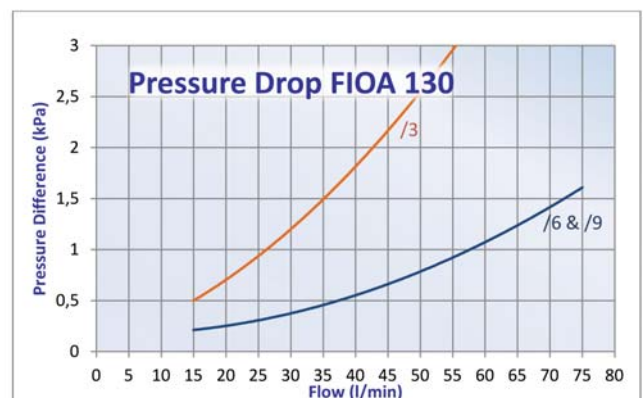
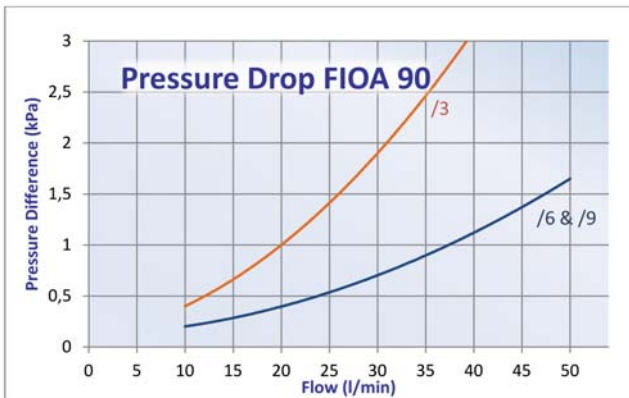
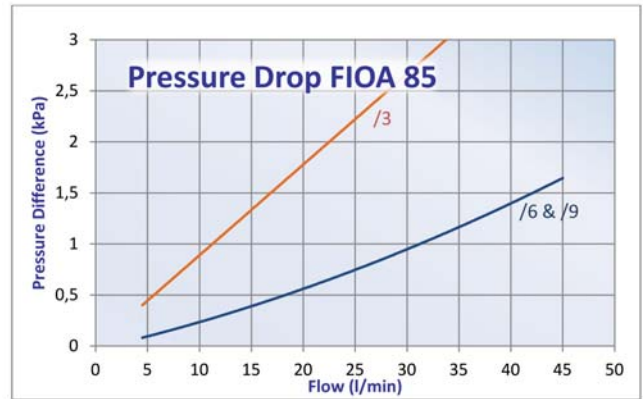
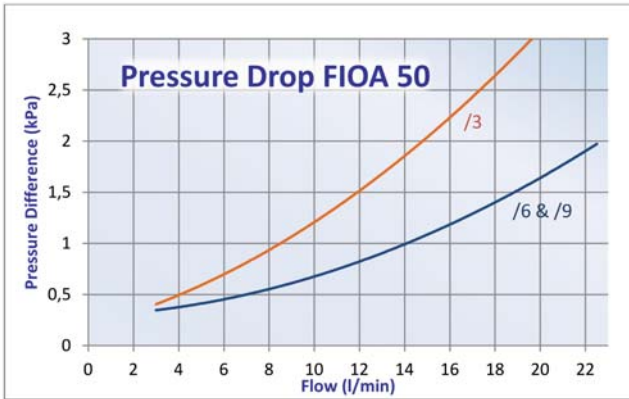
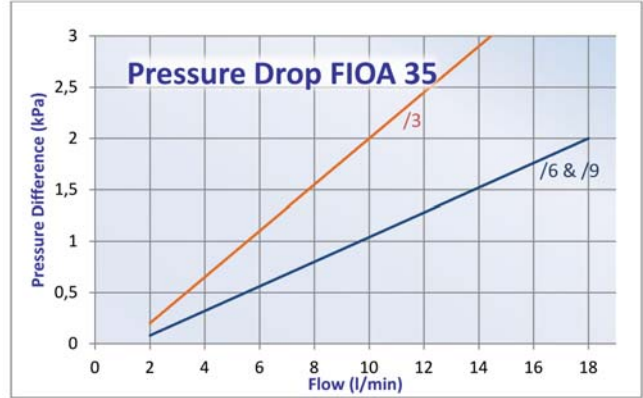
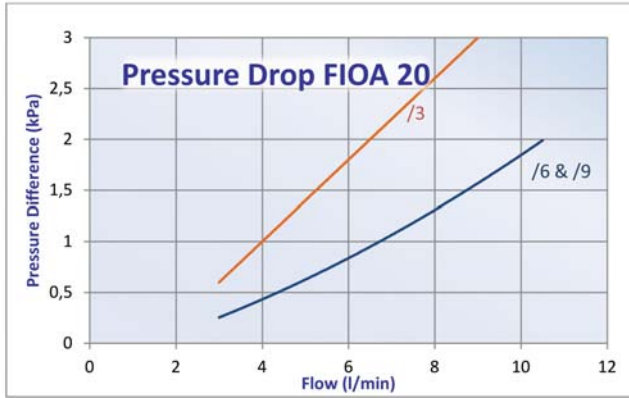


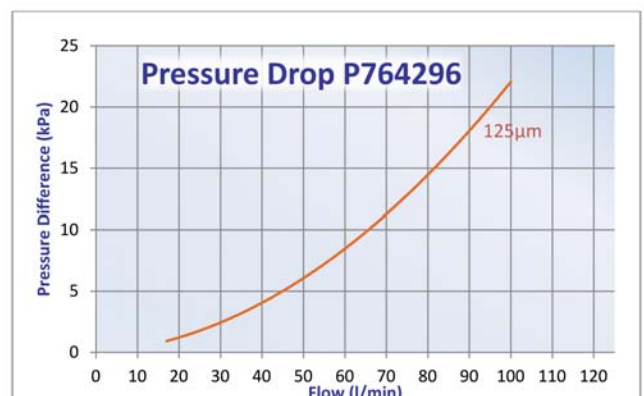
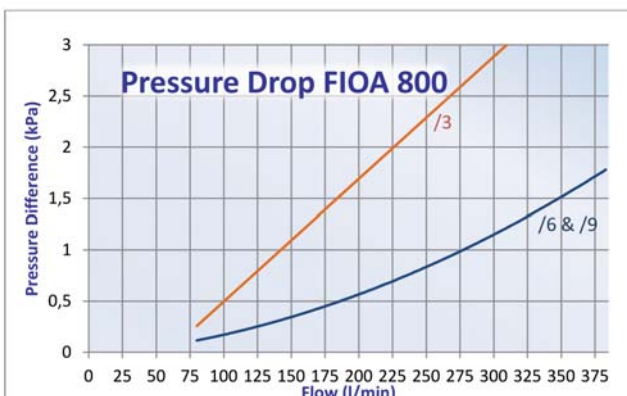
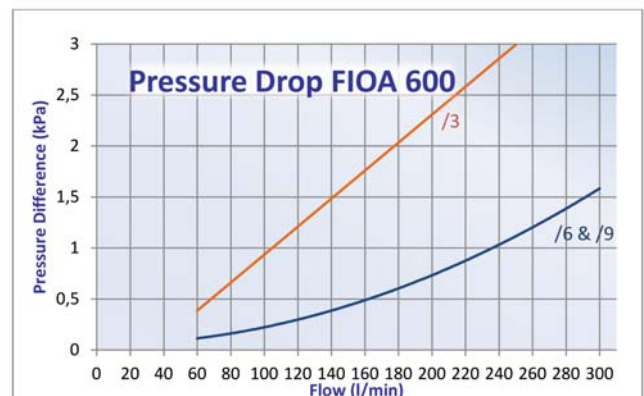
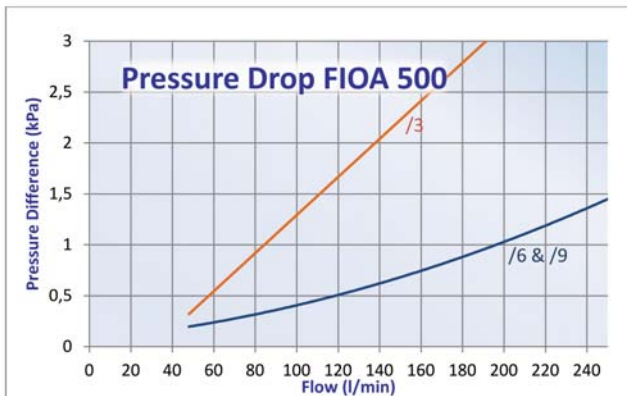
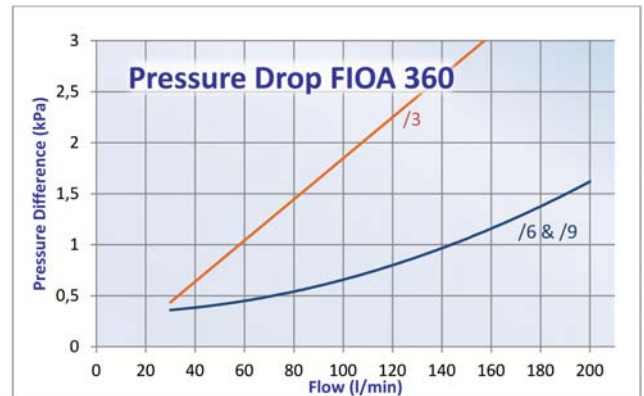
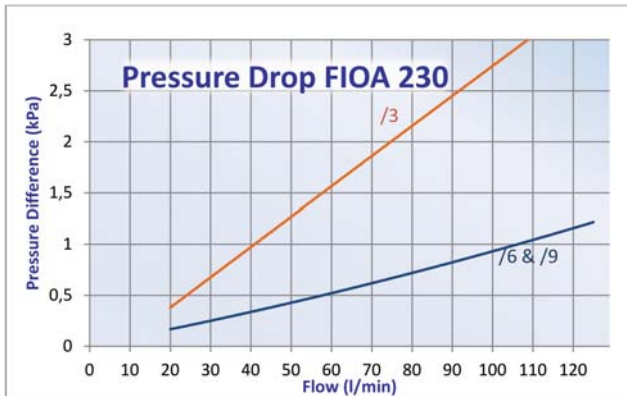
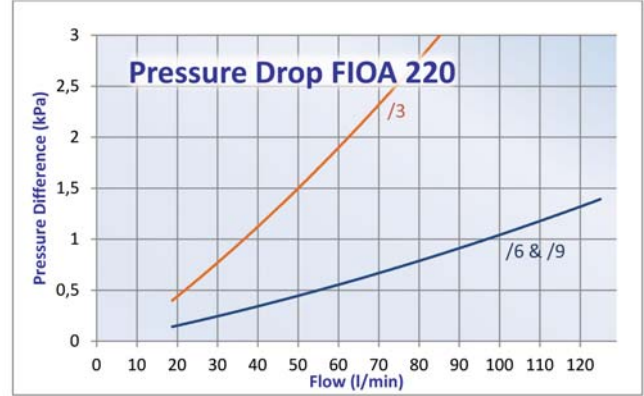
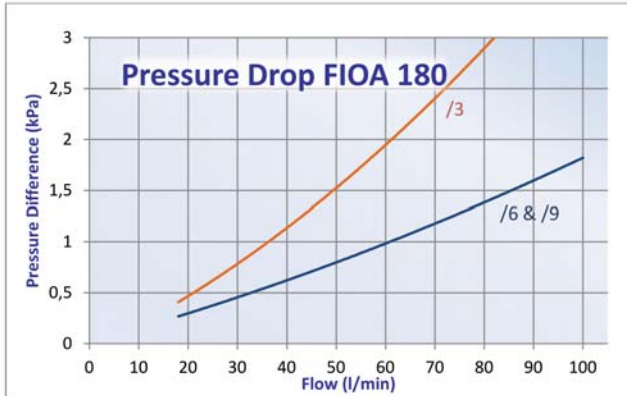
**Important**

- The strainer thread must be lubricated before spinning on the strainer to prevent thread damage. Heavyweight gear lube is recommended.
- Oil the O-Rings before assembly.

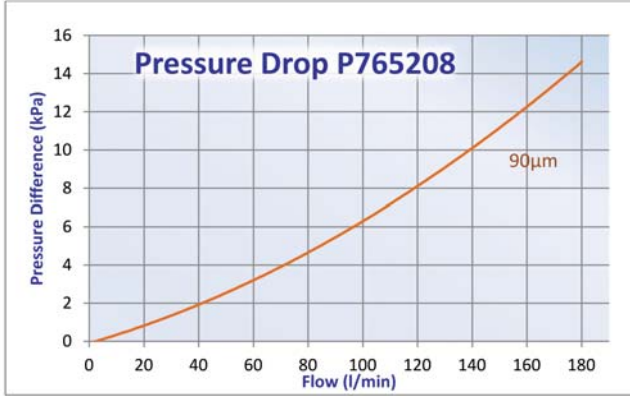
## Performance Curves

SUCTION FILTERS  
IN-TANK





SUCTION FILTERS  
IN-TANK



SUCTION FILTERS  
IN-TANK