

EPF *iprotect*®

High Pressure Filters

Selecting the right EPF element



EPF Spare Element Information

Type QI

EPF Size1 L1 2 micron	944418Q
EPF Size1 L1 5 micron	944419Q
EPF Size1 L1 10 micron	944420Q
EPF Size1 L1 20 micron	944421Q
EPF Size 2 L1 2 micron	944426Q
EPF Size 2 L1 5 micron	944427Q
EPF Size 2 L1 10 micron	944428Q
EPF Size 2 L1 20 micron	944429Q
EPF Size 2 L2 2 micron	944430Q
EPF Size 2 L2 5 micron	944431Q
EPF Size 2 L2 10 micron	944432Q
EPF Size 2 L2 20 micron	944433Q
EPF Size 3 L1 2 micron	944434Q
EPF Size 3 L1 5 micron	944435Q
EPF Size 3 L1 10 micron	944436Q
EPF Size 3 L1 20 micron	944437Q
EPF Size 3 L2 2 micron	944438Q
EPF Size 3 L2 5 micron	944439Q
EPF Size 3 L2 10 micron	944440Q
EPF Size 3 L2 20 micron	944441Q
EPF Size 4 L1 2 micron	944442Q
EPF Size 4 L1 5 micron	944443Q
EPF Size 4 L1 10 micron	944444Q
EPF Size 4 L1 20 micron	944445Q
EPF Size 4 L2 2 micron	944446Q
EPF Size 4 L2 5 micron	944447Q
EPF Size 4 L2 10 micron	944448Q
EPF Size 4 L2 20 micron	944449Q
EPF Size 5 L1 2 micron	944450Q
EPF Size 5 L1 5 micron	944451Q
EPF Size 5 L1 10 micron	944452Q
EPF Size 5 L1 20 micron	944453Q

Type QIH

EPF High Strength Size1 L1 2 micron	944481Q
EPF High Strength Size1 L1 5 micron	944482Q
EPF High Strength Size1 L1 10 micron	944483Q
EPF High Strength Size1 L1 20 micron	944484Q
EPF High Strength Size 2 L1 2 micron	944489Q
EPF High Strength Size 2 L1 5 micron	944490Q
EPF High Strength Size 2 L1 10 micron	944491Q
EPF High Strength Size 2 L1 20 micron	944492Q
EPF High Strength Size 2 L2 2 micron	944493Q
EPF High Strength Size 2 L2 5 micron	944494Q
EPF High Strength Size 2 L2 10 micron	944495Q
EPF High Strength Size 2 L2 20 micron	944496Q
EPF High Strength Size 3 L1 2 micron	944497Q
EPF High Strength Size 3 L1 5 micron	944498Q
EPF High Strength Size 3 L1 10 micron	944499Q
EPF High Strength Size 3 L1 20 micron	944500Q
EPF High Strength Size 3 L2 2 micron	944501Q
EPF High Strength Size 3 L2 5 micron	944502Q
EPF High Strength Size 3 L2 10 micron	944503Q
EPF High Strength Size 3 L2 20 micron	944504Q
EPF High Strength Size 4 L1 2 micron	944505Q
EPF High Strength Size 4 L1 5 micron	944506Q
EPF High Strength Size 4 L1 10 micron	944507Q
EPF High Strength Size 4 L1 20 micron	944508Q
EPF High Strength Size 4 L2 2 micron	944509Q
EPF High Strength Size 4 L2 5 micron	944510Q
EPF High Strength Size 4 L2 10 micron	944511Q
EPF High Strength Size 4 L2 20 micron	944512Q
EPF High Strength Size 5 L1 2 micron	944513Q
EPF High Strength Size 5 L1 5 micron	944514Q
EPF High Strength Size 5 L1 10 micron	944515Q
EPF High Strength Size 5 L1 20 micron	944516Q

Type QIR

EPF Size1 L1 2 micron reverse flow	944561Q
EPF Size1 L1 5 micron reverse flow	944562Q
EPF Size1 L1 10 micron reverse flow	944563Q
EPF Size1 L1 20 micron reverse flow	944564Q
EPF Size 2 L1 2 micron reverse flow	944569Q
EPF Size 2 L1 5 micron reverse flow	944570Q
EPF Size 2 L1 10 micron reverse flow	944571Q
EPF Size 2 L1 20 micron reverse flow	944572Q
EPF Size 2 L2 2 micron reverse flow	944573Q
EPF Size 2 L2 5 micron reverse flow	944574Q
EPF Size 2 L2 10 micron reverse flow	944575Q
EPF Size 2 L2 20 micron reverse flow	944576Q
EPF Size 3 L1 2 micron reverse flow	944577Q
EPF Size 3 L1 5 micron reverse flow	944578Q
EPF Size 3 L1 10 micron reverse flow	944579Q
EPF Size 3 L1 20 micron reverse flow	944580Q
EPF Size 3 L2 2 micron reverse flow	944581Q
EPF Size 3 L2 5 micron reverse flow	944582Q
EPF Size 3 L2 10 micron reverse flow	944583Q
EPF Size 3 L2 20 micron reverse flow	944584Q
EPF Size 4 L1 2 micron reverse flow	944585Q
EPF Size 4 L1 5 micron reverse flow	944586Q
EPF Size 4 L1 10 micron reverse flow	944587Q
EPF Size 4 L1 20 micron reverse flow	944588Q
EPF Size 4 L2 2 micron reverse flow	944589Q
EPF Size 4 L2 5 micron reverse flow	944590Q
EPF Size 4 L2 10 micron reverse flow	944591Q
EPF Size 4 L2 20 micron reverse flow	944592Q
EPF Size 5 L1 2 micron reverse flow	944593Q
EPF Size 5 L1 5 micron reverse flow	944594Q
EPF Size 5 L1 10 micron reverse flow	944595Q
EPF Size 5 L1 20 micron reverse flow	944596Q

Filter media efficiency

Degree of filtration						Code					
Average filtration beta ratio β (ISO 16889) / particle size μm [c]											
βx(c)=2	βx(c)=10	βx(c)=75	βx(c)=100	βx(c)=200	βx(c)=1000						
% efficiency, based on the above beta ration (βx)						Disposable Microglass III	Element with reverse flow valve	High strength Element			
50.0%	90.0%	98.7%	99.0%	99.5%	99.9%						
N/A	N/A	N/A	N/A	N/A	4.5				02QI	02QIR	02QIH
N/A	N/A	4.5	5	6	7				05QI	05QIR	05QIH
N/A	6	8.5	9	10	12				10QI	10QIR	10QIH
6	11	17	18	20	22	20QI	20QIR	20QIH			

Ordering information. Standard part numbers

Filter Assemblies	Part Number	Flow (l/min)	Model Number	Element length	Media Rating (micron)	Seals	Indicator	Bypass (bar)	Ports	Replacement elements
	EPF1105QIBPMG081	40	EPF1	1	5	Nitrile	Plugged port	7	G1/2"	944419Q
	EPF1110QIBPMG081	40	EPF1	1	10	Nitrile	Plugged port	7	G1/2"	944420Q
	EPF1120QIBPMG081	40	EPF1	1	20	Nitrile	Plugged port	7	G1/2"	944421Q
	EPF2205QIBPMG121	140	EPF2	2	5	Nitrile	Plugged port	7	G3/4"	944431Q
	EPF2210QIBPMG121	140	EPF2	2	10	Nitrile	Plugged port	7	G3/4"	944432Q
	EPF2220QIBPMG121	140	EPF2	2	20	Nitrile	Plugged port	7	G3/4"	944433Q
	EPF3205QIBPMG161	250	EPF3	2	5	Nitrile	Plugged port	7	G1"	944439Q
	EPF3210QIBPMG161	250	EPF3	2	10	Nitrile	Plugged port	7	G1"	944440Q
	EPF3220QIBPMG161	250	EPF3	2	20	Nitrile	Plugged port	7	G1"	944441Q
	EPF4205QIBPMG201	450	EPF4	2	5	Nitrile	Plugged port	7	G1 1/4"	944447Q
	EPF4210QIBPMG201	450	EPF4	2	10	Nitrile	Plugged port	7	G1 1/4"	944448Q
	EPF4220QIBPMG201	450	EPF4	2	20	Nitrile	Plugged port	7	G1 1/4"	944449Q
	EPF5105QIBPMG241	500	EPF5	1	5	Nitrile	Plugged port	7	G1 1/2"	944451Q
	EPF5110QIBPMG241	500	EPF5	1	10	Nitrile	Plugged port	7	G1 1/2"	944452Q
	EPF5120QIBPMG241	500	EPF5	1	20	Nitrile	Plugged port	7	G1 1/2"	944453Q

Visual Indicators	Part Number	Setting (bar)
	FMUM3MVMS08	5

For spare element see page 130.

Electrical Indicators	Part Number	Setting (bar)	Switch Type	Additional
	FMUT1MVMS08	5	NO/NC	
	FMUF1MVMS08	5	NO	Electronic 4 LED, PNP
	FMUF2MVMS08	5	NO	Electronic 4 LED, NPN
	FMUF3MVMS08	5	NC	Electronic 4 LED, PNP
	FMUF4MVMS08	5	NC	Electronic 4 LED, NPN