STR

MPA - MPM

Flow rates to 875 l/min

Technical data

STR (Materials)
1 - Connection: Nylon
2 - Core tube: Tinned Steel
3 - Filter media: Wire mesh
4 - End cap: Nylon
5 - Bypass valve: Nylon - Steel

MPA - MPM (Materials)
1 - Connection: Aluminium
2 - Magnetic column
3 - Tie rod: Galvanized Steel
4 - End caps: Galvanized Steel
5 - Core tube: Galvanized Steel
6 - Filter media: Wire mesh
7 - Bottom: Galvanized Steel
8 - Washer: Galvanized Steel
9 - Self-locking nut: Galvanized Steel - Nylon

Filtration

- M60: 60 μm
- M90: 90 μm
- M250: 250 μm

Temperature

- From -25 °C to +110 °C

Bypass valve

- Opening pressure 30 kPa ± 10%

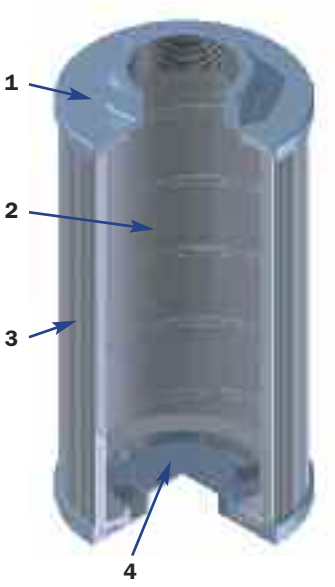
Elements

- Fluid flow through the filter element from OUT to IN.

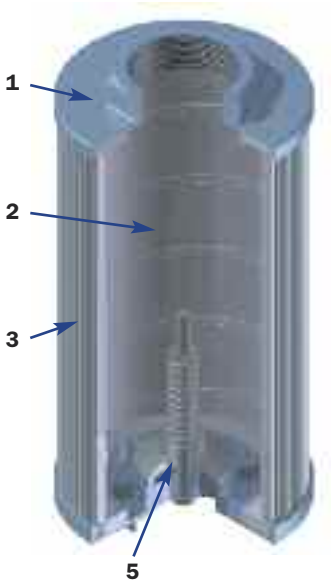
STR - Weights (kg): See table on page 12

MPA - MPM - Weights (kg): See table on page 14

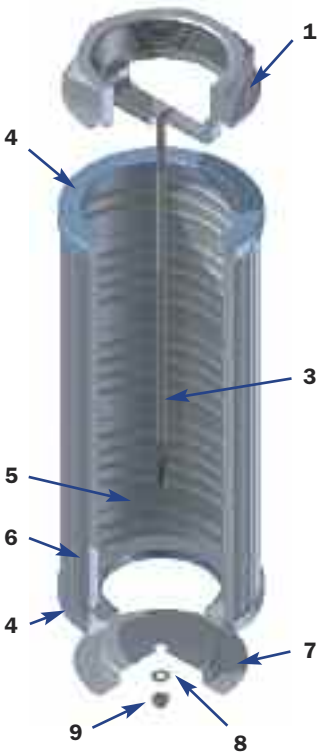
STR
Without bypass



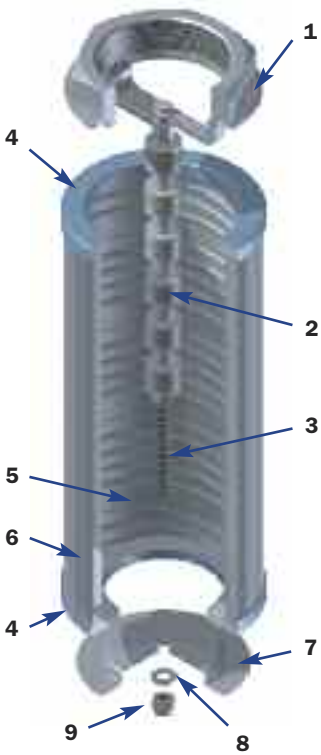
STR
With bypass



MPA
Without magnetic column

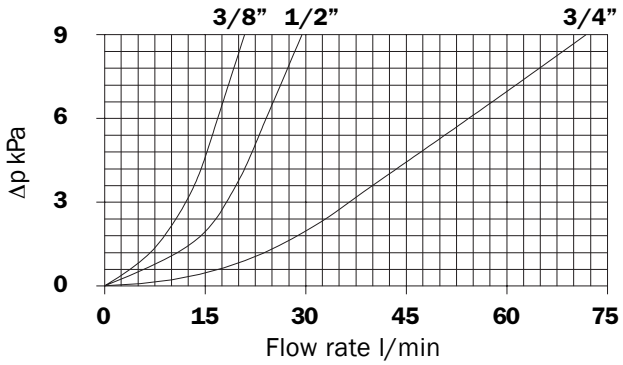


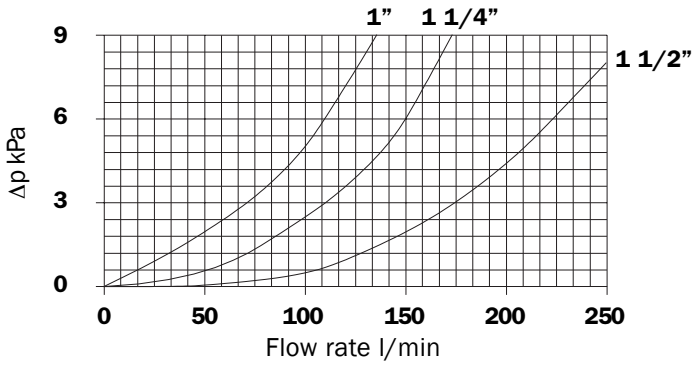
MPM
With magnetic column

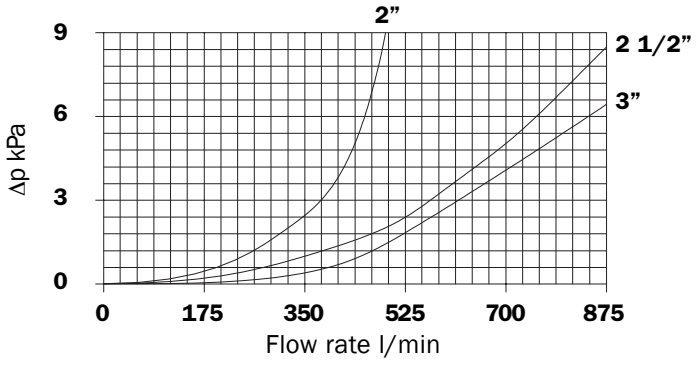


Filter housing Δp pressure drop

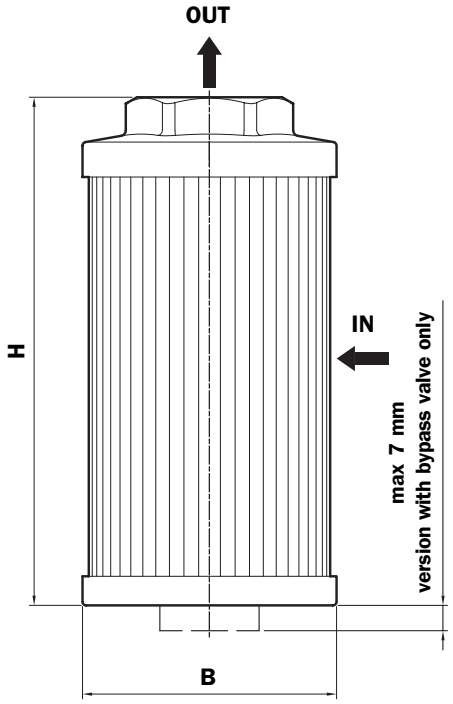
The curves are plotted utilising mineral oil with density of 0,86 kg/dm³ to ISO 3968. Δp varies proportionally with density.

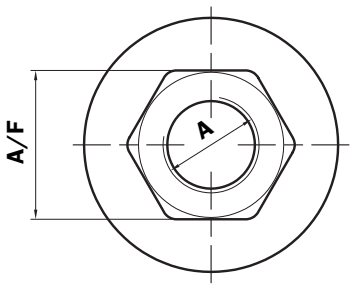






STR





Size	A	B mm	H mm	A/F mm	Weight (kg)
045-1 G1	G 3/8”				0,15
045-1 G2	3/8” NPT	46	105		0,15
045-2 G1	G 1/2”				0,19
045-2 G2	1/2” NPT			30	0,19
050-1 G1	G 3/8”				0,11
050-1 G2	3/8” NPT	52	79		0,11
050-2 G1	G 1/2”				0,11
050-2 G2	1/2” NPT				0,11
065-1 G1	G 1/2”				0,19
065-1 G2	1/2” NPT		110		0,19
065-2 G1	G 3/4”				0,22
065-2 G2	3/4” NPT	65			0,22
065-3 G1	G 3/4”				0,24
065-3 G2	3/4” NPT		144		0,24
065-4 G1	G 1”				0,22
065-4 G2	1” NPT				0,22
070-1 G1	G 1/2”			41	0,18
070-1 G2	1/2” NPT		95		0,18
070-2 G1	G 3/4”				0,17
070-2 G2	3/4” NPT				0,17
070-3 G1	G 3/4”	70			0,23
070-3 G2	3/4” NPT				0,23
070-4 G1	G 1”		141		0,22
070-4 G2	1” NPT				0,22
070-6 G1	G 1/2”				0,24
070-6 G2	1/2” NPT				0,24
086-1 G1	G 1 1/2”				0,33
086-1 G2	1 1/2” NPT		143		0,33
086-2 G1	G 2”				0,30
086-2 G2	2” NPT				0,30
086-3 G1	G 1 1/2”				0,43
086-3 G2	1 1/2” NPT	86	201		0,43
086-4 G1	G 2”				0,40
086-4 G2	2” NPT				0,40
086-5 G1	G 1 1/2”				0,53
086-5 G2	1 1/2” NPT		261		0,53
086-6 G1	G 2”				0,50
086-6 G2	2” NPT				0,50
100-1 G1	G 1 1/4”		137	69	0,47
100-1 G2	1 1/4” NPT				0,47
100-2 G1	G 1 1/4”				0,58
100-2 G2	1 1/4” NPT				0,58
100-3 G1	G 1 1/2”	99	227		0,55
100-3 G2	1 1/2” NPT				0,55
100-4 G1	G 2”				0,51
100-4 G2	2” NPT				0,51
100-5 G1	G 1 1/2”		137		0,43
100-5 G2	1 1/2” NPT				0,43
140-1 G1	G 1 1/2”				0,70
140-1 G2	1 1/2” NPT		160		0,70
140-2 G1	G 2”				0,68
140-2 G2	2” NPT				0,68
140-3 G1	G 2”		262		0,94
140-3 G2	2” NPT	130			0,94
140-4 G1	G 2 1/2”				1,10
140-4 G2	2 1/2” NPT		272		1,10
140-5 G1	G 3”			101	1,0
140-5 G2	3” NPT				1,0
140-6 G1	G 3”		330		1,17
140-6 G2	3” NPT				1,17

STR

1	2	3	4	5
☐	☐	☐	☐	☐
Example: STR	**070-4**	**S**	**G1**	**M90**	**P01**

1 - Style	Size	Pieces per box
045-1	3/8”	12
045-2	1/2”	12
050-1	3/8”	12
050-2	1/2”	12
065-1	1/2”	6
065-2	3/4”	6
065-3	3/4”	6
065-4	1”	6
070-1	1/2”	6
070-2	3/4”	6
070-3	3/4”	6
070-4	1”	6
070-6	1/2”	6
086-1	1 1/2”	6
086-2	2”	6
086-3	1 1/2”	6
086-4	2”	6
086-5	1 1/2”	6
086-6	2”	6
100-1	1 1/4”	6
100-2	1 1/4”	6
100-3	1 1/2”	6
100-4	2”	6
100-5	1 1/2”	6
140-1	1 1/2”	-
140-2	2”	-
140-3	2”	-
140-4	2 1/2”	-
140-5	3”	-
140-6	3”	-

2 - Valves

S	Without bypass
B	With bypass

3 - Connection

G1	GAS thread
G2	NPT thread

4 - Filter element

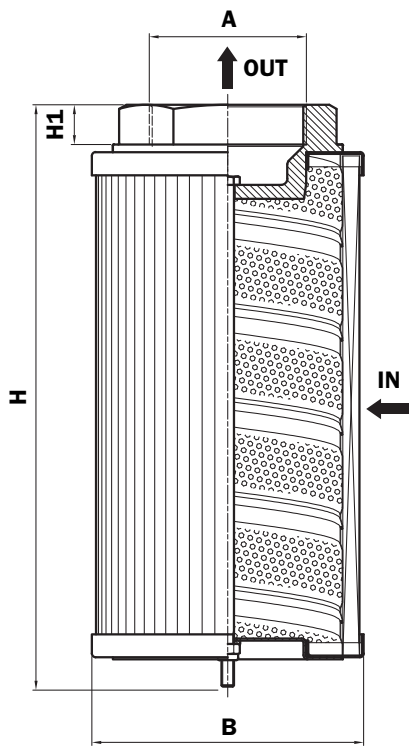
M25	Wire mesh 25 μm	Nominal Filtration
M60	Wire mesh 60 μm	
M90	Wire mesh 90 μm	
M250	Wire mesh 250 μm	

5 - Options

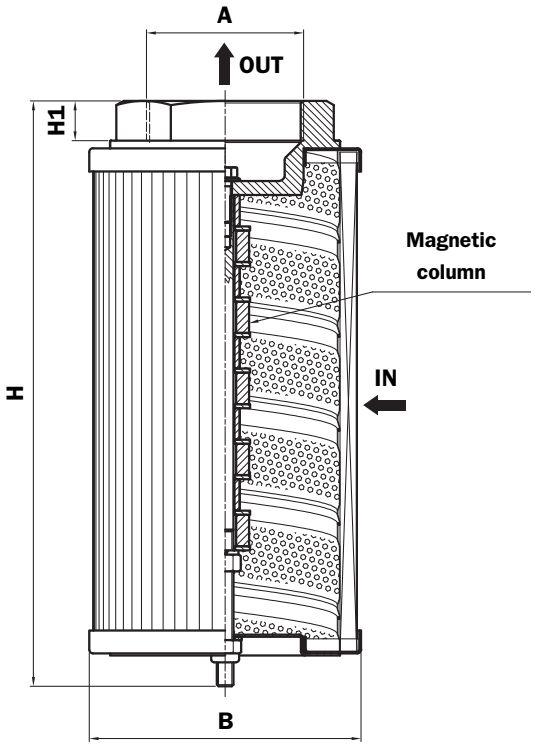
P01	MP Filtri standard

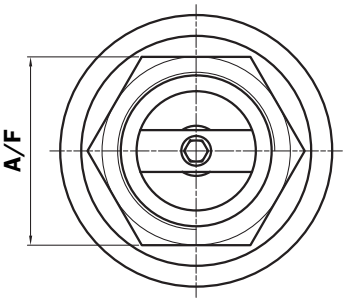
MPA - MPM

MPA



MPM





Size	A	B mm	H-MPA mm	H-MPM mm	H1 mm	A/F mm	Weight (kg)
012 G1	G 3/8”	50	98	98	16	28	0,17
012 G2	3/8” NPT						
015 G1	G 1/2”						
015 G2	1/2” NPT						
025 G1	G 1/2”	70	113	113	18	42	0,27
025 G2	1/2” NPT						
030 G1	G 3/4”		115	115			0,36
030 G2	3/4” NPT						
045 G1	G 3/4”		160	160			0,39
045 G2	3/4” NPT						
050 G1	G 1”						0,35
050 G2	1” NPT						
075 G1	G 1”		145	148			0,54
075 G2	1” NPT						
095 G1	G 1 1/4”	99	148	154			0,63
095 G2	1 1/4” NPT						
120 G1	G 1 1/4”		239	244	20	60	0,95
120 G2	1 1/4” NPT						
150 G1	G 1 1/2”						0,91
150 G2	1 1/2” NPT						
180 G1	G 1 1/2”		174	174			0,98
180 G2	1 1/2” NPT						
220 G1	G 2”	136	162	163	13	80	1,00
220 G2	2” NPT						
280 G1	G 2”		272	273			1,60
280 G2	2” NPT						
300 G1	G 2 1/2”		281	282	20	90	1,67
300 G2	2 1/2” NPT						
380 G1	G 2”		322	323	13	80	1,60
380 G2	2” NPT						
430 G1	G 3”		335	336	22	106	1,93
430 G2	3” NPT						

MPA
MPM

	1	2	3	4	5
Example:	**MPA**	**050**	**G1**	**M60**	**P01**

1 - Series

MPA	Without int. magnet
MPM	With int. magnet

2 - Style

Style	Size	Pieces per box
012	3/8"	12
015	1/2"	6
025	1/2"	6
030	3/4"	6
045	3/4"	6
050	1"	6
075	1"	6
095	1 1/4"	6
120	1 1/4"	6
150	1 1/2"	6
180	1 1/2"	1
220	2"	1
280	2"	1
300	2 1/2"	1
380	2"	1
430	3"	1

3 - Connection

G1	GAS thread
G2	NPT thread

4 - Filter element

M25	Wire mesh 25 μm	Nominal Filtration
M60	Wire mesh 60 μm	
M90	Wire mesh 90 μm	
M250	Wire mesh 250 μm	

5 - Options

P01	MP Filtri standard

STH - STM - STF

Technical data

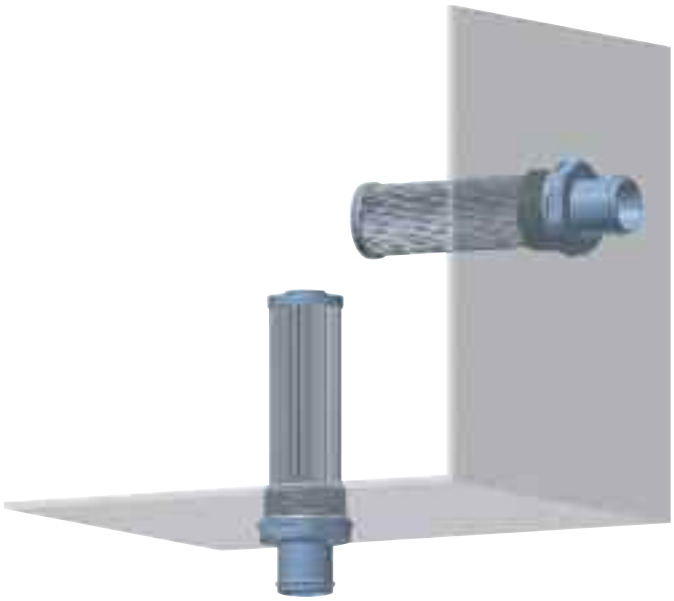
STH (Materials)
- Connection: Nylon - Aluminium
- Core tube: Tinned Steel
- Filter media: Wire mesh
- End cap: Nylon - Aluminium

STF - STM (Materials)
- Connection: Aluminium
- Core tube: Tinned Steel
- Filter media: Wire mesh
- End cap: Aluminium

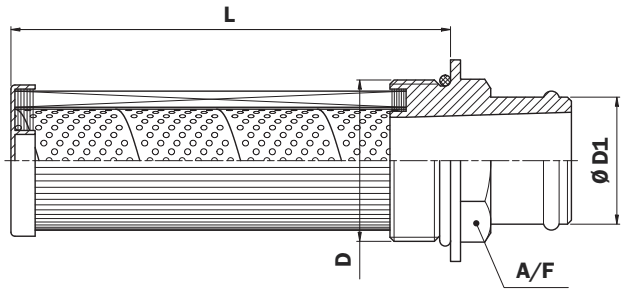
Filtration
- M60: 60 μm
- M90: 90 μm
- M250: 250 μm

Temperature
- From -25 °C to +110 °C

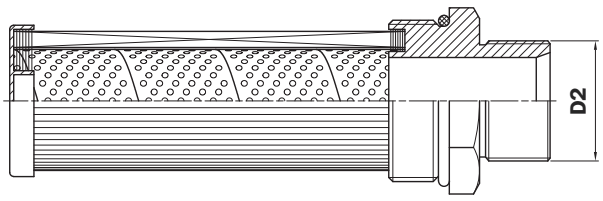
Elements
- Fluid flow through the filter element from OUT to IN.



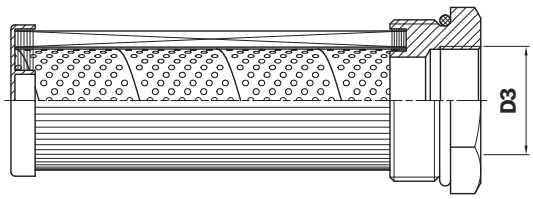
STH



STM



STF



Technical data for request ordering code

Type	D	Ø D1	D2	D3	L	A/F
STH	x	x	-	-	x	x
STM	x	-	x	-	x	x
STF	x	-	-	x	x	x

- Filter seal: NBR
  Customer request
- Bypass valve: S (without)
  B (bypass on request)
- Filter element: M60 μm (wire mesh)
  M90 μm (wire mesh)
  M250 μm (wire mesh)