



FILTERS

Suction Filters	64
Return Filters	65
Spin-On Filters	67
Inline Filters	68
Mobile Filtration Unit	71

The product information and specifications within this catalogue should be viewed as a guide only and are subject to change without notice. Please refer to inside front cover for further details.



SUCTION FILTERS



MPFILTRI[®] STR, MPA-MPM Series filtri per oleodinamica

FEATURES:

- Bypass valve options available
- Mounting Fully Immersed in a reservoir
- Port Options BSP or NPT

SPECIFICATIONS:

- Flow Rates From 5 to 900 l/min
- Element Types 60, 90 & 250 micron

ORDERING INFORMATION: Filter Assembly **050-1** **S** **G1** **M60**
STR (1) (2) (3) (4)

SERIES

STR = Strainer
MPA = Complete strainer without magnet
MPM = Complete strainer with magnet

(2) BYPASS VALVE

S = Without bypass
B = With bypass

(1) NOMINAL SIZES

STR Series		MPA - MPM Series	
050-1 = 3/8"	100-4 = 2"	012 = 3/8"	120 = 1-1/4"
050-2 = 1/2"	100-5 = 1-1/2"	015 = 1/2"	150 = 1-1/2"
070-1 = 1/2"	140-1 = 1-1/2"	025 = 1/2"	180 = 1-1/2"
070-2 = 3/4"	140-2 = 2"	030 = 3/4"	220 = 2"
070-3 = 3/4"	140-3 = 2"	045 = 3/4"	280 = 2"
070-4 = 1"	140-4 = 2-1/2"	050 = 1"	300 = 2-1/2"
100-1 = 1-1/4"	140-5 = 3"	075 = 1"	380 = 2"
100-2 = 1-1/4"	140-6 = 3"	095 = 1-1/4"	430 = 3"
100-3 = 1-1/2"			

(3) CONNECTIONS

G1 = BSP thread
G2 = NPT thread

(4) MICRON RATING

M60 = Wire mesh
M90 = Wire mesh
M250 = Wire mesh

MPFILTRI[®] filtri per oleodinamica

MP Filtri designs, develops, manufactures and supplies a comprehensive range of hydraulic filters, accessories and a full line of drive component products, for the fluid power industry.

MP Filtri was founded in Italy by Mr. Bruno Pasotto in 1964. Today, MP Filtri is Italy's leading manufacturer of hydraulic filters and accessories.

Every one of MP Filtri's products undergo a programme of analysis, verification and control, representing the dedication to quality which has always been a hallmark of the company.

With strong emphasis on quality, MP's filtration offers high efficiency elements to meet today's ever growing demand for cleanliness for hydraulic systems.



RETURN FILTERS

MPFILTRI® MPF Series

filtri per oleodinamica

FEATURES:

- Element Media Glass fibre, resin impregnated cellulose or wire mesh
- Indicator Visual or electrical
- Mounting Reservoir mounted
- Port Options BSP, NPT, SAE flange

SPECIFICATIONS:

- Max. Working Pressure 3 bar
- Flow Rates From 10 to 750 l/min
- Element Types 3 to 90 micron



ORDERING INFORMATION:

Filter Assembly	100	2	A	G1	P10	N	B	T
MPF	(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)
Filter Element	100	2	P10	N	B			
MF	(1)	(2)	(5)	(6)	(7)			

(1) NOMINAL SIZES

030	= Size 030
100	= Size 100
180	= Size 180
184	= Size 184
400	= Size 400
750	= Size 750

(2) BOWL LENGTHS

1	= MPF 030, 100, 180, 184, 400 & 750
2	= MPF 100, 180, 184 & 400
3	= MPF 100 & 400

(3) SEALS

A	= Nitrile (Buna-N)
V	= Viton

(4) PORT OPTIONS

TYPE	030	100	180	184	400	750
G1	1/2" BSP	1/2" BSP	1-1/4" BSP	1-1/4" BSP	1-1/4" BSP	2" BSP
G2	-	3/4" BSP	-	1-1/4" BSP	1-1/2" BSP	-
G3	-	1" BSP	-	2 Ports	2" BSP	-
G4	1/2" NPT	1/2" NPT	1-1/4" NPT	1-1/4" NPT	1-1/4" NPT	2" NPT
G5	-	3/4" NPT	-	1-1/4" NPT	1-1/2" NPT	-
G6	-	1" NPT	-	2 Ports	2" NPT	-
G7	SAE 8	SAE 8	SAE 20	SAE 20	SAE 20	SAE 32
G8	-	SAE 12	-	SAE 20	SAE 24	-
G9	-	SAE 16	-	-	SAE 32	-
F1	-	-	-	1-1/2" SAE	-	2" SAE
				3000 PSI/M		3000 PSI/M
F2	-	-	-	1-1/2" SAE	-	2" SAE
				3000 PSI/UNC		3000 PSI/UNC
F3	-	-	-	2 x 1-1/2" SAE	-	-
				3000 PSI/M		
F4	-	-	-	2 x 1-1/2" SAE	-	-
				3000 PSI/UNC		

(5) FILTER ELEMENTS

N-SERIES

P10	= Resin-impregnated paper Bx _≥ 2
P25	= Resin-impregnated paper Bx _≥ 2
M25	= Square wire mesh
M60	= Square wire mesh
M90	= Square wire mesh

H-SERIES

A03	= Inorganic Microfibre 3µm - Bx _≥ 200
A06	= Inorganic Microfibre 6µm - Bx _≥ 200
A10	= Inorganic Microfibre 10µm - Bx _≥ 200
A25	= Inorganic Microfibre 25µm - Bx _≥ 200

(6) COLLAPSE PRESSURE SERIES

N	= 3 bar (P/M Series)
H	= 10 bar (A Series Only)

(7) SEALS (FILTER ELEMENTS)

B	= Nitrile (Buna-N)
V	= Viton

(8) BYPASS VALVE

B	= Bypass 1.75 bar
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(9) FILTER CONDITION INDICATOR

T	= With plug (std)
V1PO1	= Visual
VRPO1	= Visual (184 series only)
FX15R2M3	= Pressure switch (1 exchange contact)
T5	= Filler plug
XX	= Extension Tube



MPFILTRI
filtri per oleodinamica **MPH Series**



FEATURES:

- Element Media Glass fibre, resin impregnated cellulose or wire mesh
- Indicator Visual or electrical
- Mounting Reservoir mounted
- Port Options BSP, NPT, SAE flange

SPECIFICATIONS:

- Max. Working Pressure 10 bar
- Flow Rates From 10 to 2000 l/min
- Element Types 6 to 90 micron

ORDERING INFORMATION:

Filter Assembly	100	1	B	O	S	A	G1	A06	S
MPH	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Filter Element	100	1	A06	A					
MR	(1)	(2)	(8)	(6)					

(1) NOMINAL SIZES	
100	= Size 100
250	= Size 180
630	= Size 184
850	= Size 400

(2) BOWL LENGTHS	
1	= MPH 100, 250, 630 & 850
2	= MPH 100, 250, 630 & 850
3	= MPH 100, 250, 630 & 850
4	= MPH 100, 250, 630 & 850

(3) INTEGRAL BYPASS VALVE	
B	= Setting: 0.8 bar
C	= Setting: 1.75 bar

(4) MODELS	
O	= Without diffuser
D	= With diffuser

(5) AIR BREATHER	
S	= Without air breather
C	= With 10µm air breather (100 series only)
M	= With 40µm air breather (100 series only)

(6) SEALS	
A	= Nitrile (Buna-N)
V	= Viton

(7) PORT OPTIONS				
TYPE	100	250	630	850
G1	3/4" BSP	1-1/2" BSP	-	-
G2	1" BSP	1-1/2" BSP	-	-
		1-1/4" BSP	-	-
G3	1-1/4" BSP	-	-	-
G4	3/4" NPT	1-1/2" NPT	-	-
G5	1" NPT	1-1/2" NPT	-	-
		1-1/4" NPT	-	-
G6	1-1/4" NPT	-	-	-
G7	SAE 12	SAE 24	-	-
G8	SAE 16	SAE 24	-	-
		SAE 20	-	-
G9	SAE 20	-	-	-
F1 (M)	-	1-1/2" SAE	2-1/2" SAE	3" SAE DN 100PN 10/16
F2 (M)	-	1-1/2" SAE	2-1/2" SAE	-
		1-1/4" SAE	2" SAE	-
F3 (UNC)	-	1-1/2" SAE	2-1/2" SAE	3" SAE DN 100PN 10/16
F4 (UNC)	-	1-1/2" SAE	2-1/2" SAE	-
		1-1/4" SAE	2" SAE	-

(8) FILTER ELEMENTS	
A06	= Inorganic Microfibre 6µm - Bx≥200
A10	= Inorganic Microfibre 10µm - Bx≥200
A25	= Inorganic Microfibre 25µm - Bx≥200
P10	= Resin-impregnated paper Bx≥2
P25	= Resin-impregnated paper Bx≥2
M25	= Square wire mesh
M60	= Square wire mesh
M90	= Square wire mesh

(9) FILTER CONDITION INDICATOR	
S	= With threaded hole only
T	= With plug (std)
VT	= Visual (setting at 0.6 bar)
VRPO1	= Visual (setting at 1.3 bar)
V1PO1	= Visual MPH 850 only (setting at 1.3 bar)
EQ	= Electrical: N.O. contacts (0.6 bar)
EB	= Electrical: N.C. contacts (0.6 bar)
FX15R2M3	= Pressure switch (1 exchange contact)



SPIN-ON FILTERS

MPS Series

FEATURES:

- Element Media Inorganic microfibre, resin impregnated paper or square wire mesh
- Indicator Visual or electrical
- Mounting Inline
- Port Options BSP, NPT, SAE flange

SPECIFICATIONS:

- Max. Working Pressure 12 bar
- Flow Rates From 25 to 300 l/min
- Element Types 3 to 90 micron



ORDERING INFORMATION:

Filter Assembly	050	C	G2	A03	A	S
MPS	(1)	(3)	(4)	(5)	(6)	(7)
Filter Element	050	A03	A			
CS or CG	(2)	(5)	(6)			

(1) NOMINAL SIZES

Series 0	Series 1
050	051
070	071
100	101
150	151
200	-
250	-
300	301
350	351

(2) NOMINAL SIZES

050	= No.1 element for 050 / 051
070	= No.1 element for 070 / 071
100	= No.1 element for 100 / 101
100	= No.2 element for 200
100	= No.2 element for 300 / 301
150	= No.1 element for 150 / 151
150	= No.2 element for 250
150	= No.2 element for 300 / 301

(3) BYPASS VALVE

Filter Series "0"	
C	= With bypass 1.75 bar - 4 indicator ports
O	= Without bypass with indicator ports on suction
P	= Without bypass with indicator ports on return
R	= With bypass 1.75 bar and indicator ports on return
S	= With bypass 30 kPa and indicator ports on suction
U	= Without bypass and without indicator ports
Filter Series "1"	
P	= With bypass 1.75 bar
R	= Without bypass

(4) PORT OPTIONS

TYPE	050 / 071	100 / 151	200 / 250	300 / 351
G1	3/4" BSP	1-1/4" BSP	1-1/2" BSP	1-1/2" BSP
G2	3/4" NPT	1-1/4" NPT	1-1/2" NPT	1-1/2" NPT
G3	SAE 12	SAE 20	SAE 24	SAE 24
G4	SAE 8	-	-	-
G5	1" BSP	-	-	-
G6	1" NPT	-	-	-
F1	-	-	-	1-1/2" SAE 3000 PSIM
F2	-	-	-	1-1/2" SAE 3000 PSI/UNC

FILTER ELEMENT - SERIES

CS	= European Standard filter element
CG	= USA Standard filter element
CW	= USA Standard filter element - water removal type, only 'P' style (only available in 050, 070, and 150 sizes)

(5) FILTER ELEMENTS

A03	= Inorganic Microfibre 3µm - Bx>200
A06	= Inorganic Microfibre 6µm - Bx>200
A10	= Inorganic Microfibre 10µm - Bx>200
A25	= Inorganic Microfibre 25µm - Bx>200
P10	= Resin-impregnated paper Bx>2
P25	= Resin-impregnated paper Bx>2
M25	= Square wire mesh
M60	= Square wire mesh
M90	= Square wire mesh

(6) SEALS

A	= Nitrile (Buna-N)
V	= Viton

(7) FILTER CONDITION INDICATOR

S	= With threaded hole only
T	= With plug
Suction Filters	
VS	= Visual vacuum gauge
EO	= Electrical vacuum switch
Return Filters	
VA	= Visual pressure gauge
VRPO1	= Colour coded pressure gauge
FX15R2M3	= Pressure switch (1 exchange contact)
Line Filters (Series 1)	
S	= With threaded hole only
T2	= Plug for indicator port
1V	= Visual 1, 2 bar
V6	= Visual 2 bar
Z1	= Visual 1, 2 bar
Z6	= Visual 2 bar
N1	= Electrical 1, 2 bar
N6	= Electrical 2 bar
1E	= Visual - Electrical 1, 2 bar
E6	= Visual - Electrical 2 bar
K1*	= Visual - Electrical 1, 2 bar
K6*	= Visual - Electrical 2 bar

* For K Visual - Electrical Indicator, specify voltage



INLINE FILTERS

MPFILTRI[®] FMP Series filtri per oleodinamica

FEATURES:

- Element Media Glass fibre or wire mesh
- Indicators Differential visual, visual/electrical or electrical
"Thermal lock out" electrical indicator option available
- Mounting Pressure line
- Port Options BSP, NPT

SPECIFICATIONS:

- Max. Working Pressure 250 bar
- Flow Rates From 20 to 180 l/min
- Element Types 3 to 60 micron

ORDERING INFORMATION:

Filter Assembly	065	1	S	A	G1	A03	N	S
FMP	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Filter Element	065	1	A03	A	N			
HP	(1)	(2)	(6)	(4)	(7)			

(1) NOMINAL SIZES

065 = Size 065
135 = Size 135
320 = Size 320

(2) BOWL LENGTHS

1 = FMP 065, 135 & 320
2 = FMP 065, 135 & 320
3 = FMP 065, 135 & 320
4 = FMP 320 only

(3) INTEGRAL BYPASS VALVE

S = Without bypass
B = With bypass (standard option)
C = With bypass (on opposite side)
D = With bypass 'B' and check valve
V = Reverse Flow (320 size only)
Z = Reverse Flow and bypass (320 size only)
T = No bypass or check valve

(4) SEALS

A = Nitrile (Buna-N)
V = FPM Viton

(5) PORT OPTIONS

TYPE	065	135	320
G1	1/2" BSP	3/4" BSP	1 1/4" BSP
G2	3/4" BSP	1" BSP	1 1/2" BSP
G3	1/2" NPT	3/4" NPT	1 1/4" NPT
G4	3/4" NPT	1" NPT	1 1/2" NPT
G5	SAE 8	SAE 12	SAE 20
G6	SAE 12	SAE 16	SAE 24
F1	-	3/4" SAE 3000 PSI/M	1 1/4" SAE 3000 PSI/M
F2	-	1" SAE 3000 PSI/M	1 1/2" SAE 3000 PSI/M
F3	-	3/4" SAE 3000 PSI/UNC	1 1/4" SAE 3000 PSI/UNC
F4	-	1" SAE 3000 PSI/UNC	1 1/2" SAE 3000 PSI/UNC

(6) FILTER ELEMENTS

A03 = Inorganic Microfibre 3µm - Bx≥200
A06 = Inorganic Microfibre 6µm - Bx≥200
A10 = Inorganic Microfibre 10µm - Bx≥200
A25 = Inorganic Microfibre 25µm - Bx≥200
M10 = Square wire mesh
M25 = Square wire mesh (standard up to M25 only)
T10 = Stainless steel wire mesh
T25 = Stainless steel wire mesh

(7) COLLAPSE PRESSURE SERIES

N = 20 bar
T = 80 bar
H = 210 bar
R = 20 bar (for Reverse Flow Option)
S = 210 bar (for Reverse Flow Option)

(8) FILTER CONDITION INDICATOR

S = With threaded hole only
T2 = Plug
Z7 = Visual 5 bar
Z8 = Visual 7 bar
Z9 = Visual 10 bar
V7 = Visual 5 bar
V8 = Visual 7 bar
V9 = Visual 10 bar
N7 = Electrical 5 bar
N8 = Electrical 7 bar
N9 = Electrical 10 bar
E7 = Visual - Electrical 5 bar
E8 = Visual - Electrical 7 bar
E9 = Visual - Electrical 10 bar
K7* = Visual - Electrical 5 bar
K8* = Visual - Electrical 7 bar
K9* = Visual - Electrical 10 bar

1 - 24 Volt
2 - 110 Volt
3 - 220 Volt

* For K Visual - Electrical Indicator, specify voltage



MPFILTRI[®] FMM Series filtri per oleodinamica

FEATURES:

- Head Cast Iron
- Bowl Steel
- By-pass Valve Steel

SPECIFICATIONS:

- Max. Working Pressure 280 bar (Test 420 bar / Burst 840 bar)
- Flow Rates From 50 to 140 l/min
- Working Temperature From -25°C to +110°C
- Fatigue Test 1,000,000 cycles with pressure impulses from 0 to 320 bar



ORDERING INFORMATION:

Filter Assembly **2** **S** **A** **A** **A03** **H** **P01** / **Z7**
FMM 050 (1) (2) (3) (4) (5) (6) (7) / (8)

Filter Element **2** **A03** **A** **H** **P01**
HP 050 (1) (5) (3) (6) (7)

(1) ELEMENT/HOUSING LENGTH

- 1 = 156 Filter length
- 2 = 184 Filter length
- 3 = 226 Filter length
- 4 = 280 Filter length
- 5 = 407 Filter length

(2) BY-PASS VALVE

- S = Without bypass
- B = With bypass
- T = No bypass plus Check Valve
- D = With bypass plus Check Valve

(3) SEALS

- A = Buna-N
- V = Viton

(4) CONNECTORS

- A = M18 x 1.5 (ISO 6149)
- B = M22 x 1.5 (ISO 6149)
- C = 1/2" BSP
- D = 3/4" BSP
- E = 1/2" NPT
- F = 3/4" NPT
- G = SAE 8
- H = SAE 12

(5) FILTER ELEMENTS

- A03 = Inorganic Microfibre 3µm - Bx_≥200
- A06 = Inorganic Microfibre 6µm - Bx_≥200
- A10 = Inorganic Microfibre 10µm - Bx_≥200
- A16 = Inorganic Microfibre 16µm - Bx_≥200
- A25 = Inorganic Microfibre 25µm - Bx_≥200
- M25 = Square wire mesh

(6) FILTER ELEMENTS COLLAPSE PRESSURE SERIES

- N = 20 bar
- H = 210 bar

(7) FILTER ASSEMBLY TYPE

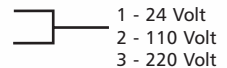
- P01 = MP Filtri with standard indicator port
- P02 = MP Filtri without indicator port
- P03 = MP Filtri with indicator at 90°
- Pxx = Customer request

(7) FILTER ELEMENT

- P01 = MP Filtri
- Pxx = Customer request

(8) FILTER CONDITION INDICATOR

- Z7 = Visual (pop-up) 5 bar
- Z8 = Visual (pop-up) 7 bar
- V7 = Visual 5 bar
- V8 = Visual 7 bar
- N7 = Electrical 5 bar
- N8 = Electrical 7 bar
- E7 = Visual - Electrical 5 bar
- E8 = Visual - Electrical 7 bar
- K7* = Visual - Electrical 5 bar
- K8* = Visual - Electrical 7 bar



* For K Visual - Electrical Indicator, specify voltage



MPFILTRI
filtri per oleodinamica **FHP Series**



FEATURES:

- Element Media Glass fibre, wire mesh or stainless mesh
- Indicators Differential visual, visual/electrical or electrical
- Mounting Pressure line
- Port Options BSP-NPT, SAE flange

SPECIFICATIONS:

- Max. Working Pressure 420 bar
- Flow Rates From 20 to 450 l/min
- Element Types 3 to 60 micron

ORDERING INFORMATION:

Filter Assembly	065	3	S	A	G1	A03	N	S
FHP	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Filter Element	065	3	A03	A	N			
HP	(1)	(2)	(6)	(4)	(7)			

(1) NOMINAL SIZES

065	= Size 065
135	= Size 135
320	= Size 320
321	= Size 321 (Top outlet port)

(2) BOWL LENGTHS

FHP065	= 1, 2, 3
FHP135	= 1, 2
FHP320	= 1, 2, 3, 4
FHP321	= 1, 2, 3, 4 (Filter elements HP 320 series)

(3) INTEGRAL BYPASS VALVE

S	= Without bypass
B	= With bypass (standard option)
D	= With bypass 'B' and check valve
V	= Reverse Flow (320 size only)
Z	= Reverse Flow and bypass (320 size only)
T	= No bypass or check valve

(4) SEALS

A	= Nitrile (Buna-N)
V	= FPM Viton

(5) PORT OPTIONS

TYPE	065	135	320	321
G1	1/2" BSP	3/4" BSP	1-1/4" BSP	1-1/4" BSP
G2	3/4" BSP	1" BSP	1-1/2" BSP	1-1/2" BSP
G3	1/2" NPT	3/4" NPT	1-1/4" NPT	1-1/4" NPT
G4	3/4" NPT	1" NPT	1-1/2" NPT	1-1/2" NPT
G5	SAE 8	SAE 12	SAE 20	SAE 20
G6	SAE 12	SAE 16	SAE 24	SAE 24
F1	-	3/4" SAE 3000 PSI/M	1-1/4" SAE 3000 PSI/M	
F2	-	1" SAE 3000 PSI/M	1-1/2" SAE 3000 PSI/M	
F3	-	3/4" SAE 3000 PSI/UNC	1-1/4" SAE 3000 PSI/UNC	
F4	-	1" SAE 3000 PSI/UNC	1-1/2" SAE 3000 PSI/UNC	
F5	-	3/4" SAE 6000 PSI/M	1-1/4" SAE 6000 PSI/M	
F6	-	3/4" SAE 6000 PSI/UNC	1-1/4" SAE 6000 PSI/UNC	

(6) FILTER ELEMENTS

A03	= Inorganic Microfibre 3µm - Bx≥200
A06	= Inorganic Microfibre 6µm - Bx≥200
A10	= Inorganic Microfibre 10µm - Bx≥200
A25	= Inorganic Microfibre 25µm - Bx≥200
M10	= Square wire mesh
M25	= Square wire mesh
M60	= Square wire mesh
T10	= Stainless steel wire mesh
T25	= Stainless steel wire mesh

(7) COLLAPSE PRESSURE SERIES

N	= 20 bar
T	= 80 bar
H	= 210 bar
R	= 20 bar (for Reverse Flow option)
S	= 210 bar (for Reverse Flow option)

(8) FILTER CONDITION INDICATOR

S	= With threaded hole only	
T2	= Plug	
V7	= Visual 5 bar	
V8	= Visual 7 bar	
V9	= Visual 10 bar	
N7	= Electrical 5 bar	
N8	= Electrical 7 bar	
N9	= Electrical 10 bar	
E7	= Visual - Electrical 5 bar	
E8	= Visual - Electrical 7 bar	
E9	= Visual - Electrical 10 bar	
K7*	= Visual - Electrical 5 bar	
K8*	= Visual - Electrical 7 bar	
K9*	= Visual - Electrical 10 bar	

* For K Visual - Electrical Indicator, specify voltage



MOBILE FILTRATION UNIT

MPFILTRI[®] GRF Series filtri per oleodinamica

The MP Filtri mobile filtration unit GRF Series is specifically designed for filling, flushing and off-line filtration of hydraulic systems.

The use of standard high-filter area filter elements ensures an excellent dirt holding capacity combined with a low pressure drop. A wide range of filter media helps you to choose the right one for your application.

It's compact construction and light weight makes the GRF practical and easy to use.

ORDERING INFORMATION:

Filter Assembly **GRF** **015** **A** **A03** **M** **S** **1** **1** **PO1**
GRF **(1)** **(2)** **(3)** **(4)** **(5)** **(6)** **(7)** **(8)** **(9)**

(1) SERIES

GRF = Mobile filtration Unit

(2) NOMINAL SIZES

015 = 15 l/min
 041 = 40 l/min
 061 = 60 l/min
 (Flow rates with standard 50 Hz motor)

(3) SEALS

A = Nitrile
 V = Viton

(4) FILTRATION

- = Without filter element
 A03 = Microfibre 3 µm absolute
 A06 = Microfibre 6 µm absolute
 A10 = Microfibre 10 µm absolute
 A16 = Microfibre 16 µm absolute
 A25 = Microfibre 25 µm absolute
 M25 = Square wire mesh 25 µm nominal

(5) ELECTRIC MOTOR VOLTAGE

M = 230 V - 50 Hz Single-phase
 T = 380-420 V - 50 Hz; 440-480 V - 60 Hz Three-phase
 X = Other (to be specified)

(6) CLOGGING INDICATOR

V = Visual differential clogging indicator
 S = Without pressure gauge
 M = Standard with pressure gauge
 F = Electrical indicator with automatic motor block (version T motor only)

(7) CONNECTIONS

1 = Without hoses
 2 = Standard hoses
 3 = Hoses with connection for coaxial lance (for GRF041 only)

(8) OPTIONS

1 = Standard
 2 = Security Valve (for GRF 041 only)

(9) CUSTOM OPTIONS

PO1 = Standard MP Filtri
 PO2 = Per Customer Request

