

# Culligan

## GARD SYSTEM

### G.S. 1" - 1½"

#### MODULAR FILTRATION WITH CARTRIDGE

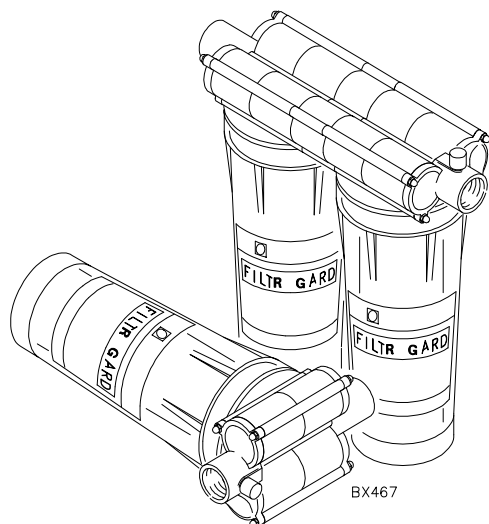
#### Technical Sheet

##### GENERAL

Culligan's GARD SYSTEM provides a universal solution for customers who need small systems capable of performing all types of water treatment, including filtration, deferrizing, dechlorination, and neutralization.

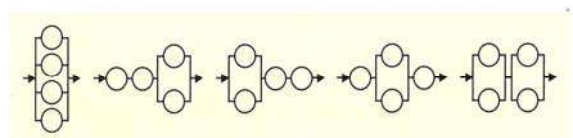
The GARD SYSTEM is based on an exclusive system of modular filter elements, filter cartridges and mineral charges.

Modular design allows the basic modules of the system to be combined into single or multi-unit batteries connected in series or in parallel.



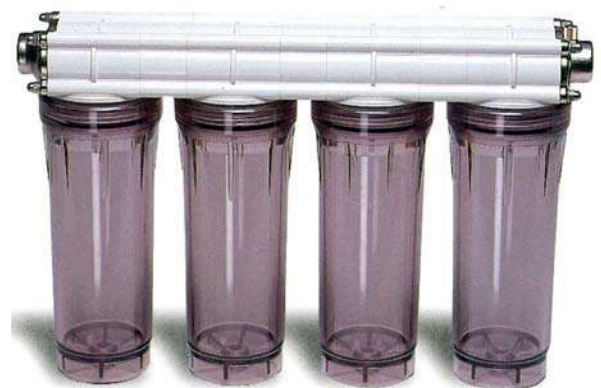
The Culligan exclusive Gard System is exceptionally versatile.

Thanks to the availability of a wide range of modular elements (single and multi-stage



filter cartridges, activated carbon, and phosphosilicate crystals), the Gard System can provide all types of water treatment for any user, with the maximum simplicity and minimum space requirements.

The Gard System finds its ideal application in the modification and expansion of existing water circuits, and in their adaptation for different end uses.



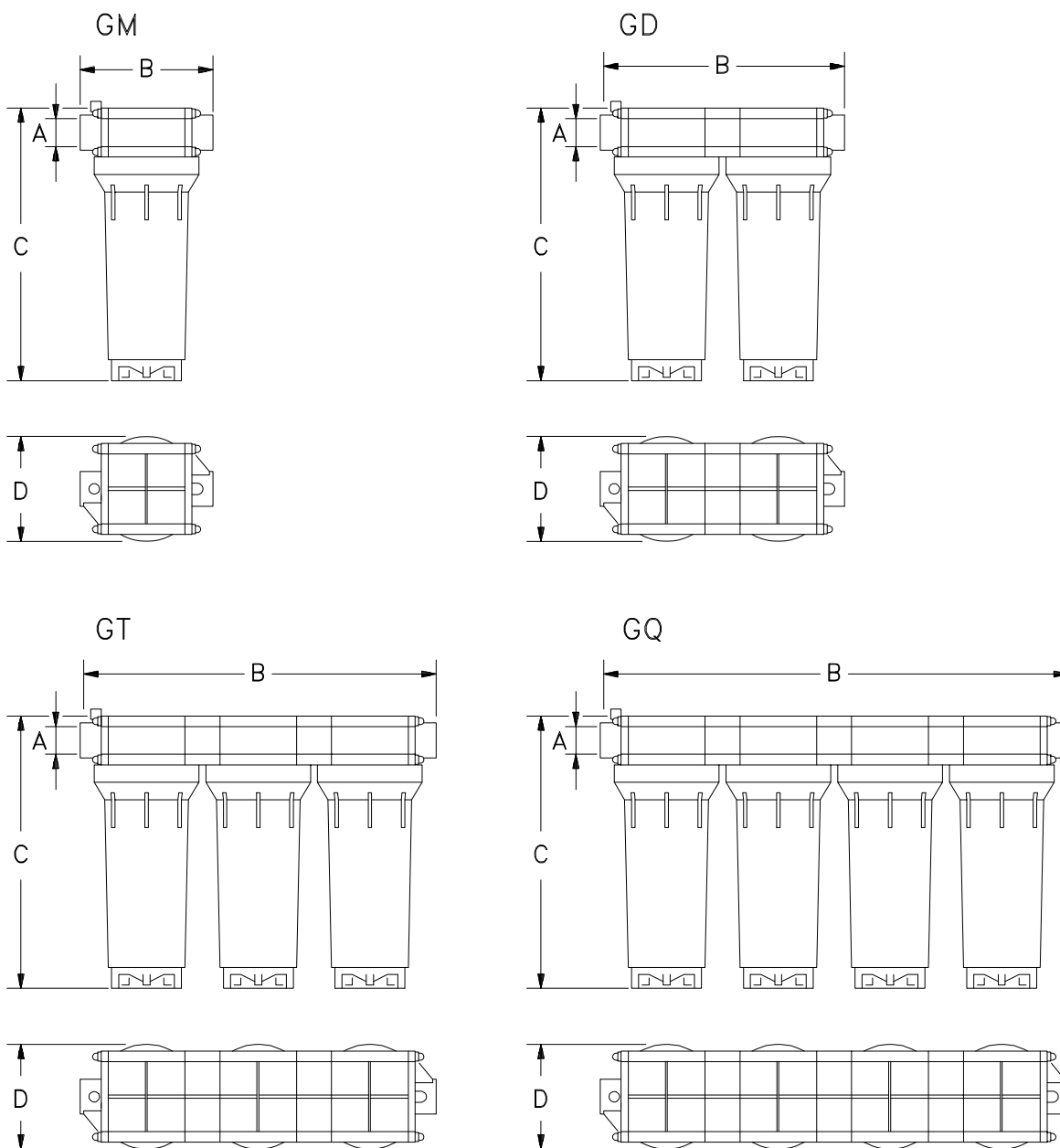
The Gard System is designed to make full use of existing water circuits, integrating their components into the new system.

The Gard System needs no special electrical or water operated automation, and all filter cartridges and minerals are extremely easy to replace and service.

Quality System Certified according to UNI EN ISO 9001:2000 Norm

CULLIGAN ITALIANA S.p.A. - Via Gandolfi, 6 - 40057 Cadriano BO (ITALY) - Phone +39/0516017111 - fax +39/051765602

## MODULAR FILTRATION WITH CARTRIDGE



BX471

DIMENSIONS	Mod. G.S. 10				Mod. G.S. 15			
	GM	GD	GT	GQ	GM	GD	GT	GQ
A diam.	1"	1"	1"	1"	1½"	1½"	1½"	1½"
B mm	165	301	437	573	175	311	447	583
C mm	350	350	350	350	350	350	350	350
D mm	120	120	120	120	120	120	120	120

Culligan reserves the right to change or modify the stated specifications or dimensions

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# GARD SYSTEM

## G.S. 1"

### MODULAR FILTRATION WITH CARTRIDGE

#### Technical Sheet

Model	CARTRIDGE		Piping IN/OUT	Maximum Flow Rate	Pressure Drop	Recommen ded Flow Rate	Pressure Drop	Dimensions	Shipping Weight
	Description	Q.ty							

#### SINGLE CARTRIDGE FILTERS

##### FOR TURBIDITY AND IRON REMOVAL

GMF 10	Strainer	110	1	1"	70	0.90	40	0.30	165 x 350	2.2
	Multistage	9060	1		70	1.20	40	0.50		
	Multistage	405	1		50	0.60	30	0.20		
	Multistage	205	1		50	0.70	30	0.30		
	Monostage	001	1		30	0.20	20	0.10		

##### FOR TASTE, ODOUR AND COLOUR REMOVAL

<b>GMR 10</b>	Carbon Collar D ♦	1	1"	30	0.70	20	0.30	165 x 350	2.2
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##### FOR LA RIMOZIONE DI ACIDITY AND CORROSION

<b>GMU 10</b>	lo Chem SP 12 ♥	1	1"	20	0.20	20	0.20	165 x 350	2.2
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#### DUAL CARTRIDGE FILTERS IN PARALLEL

##### FOR TURBIDITY AND IRON REMOVAL

GDPF 10	Strainer	110	2	1"	80	0.80	80	0.80	301 x 350	3.5
	Multistage	9060	2		80	1.00	80	1.00		
	Multistage	405	2		80	0.90	60	0.45		
	Multistage	205	2		80	1.00	60	0.50		
	Monostage	001	2		60	0.45	40	0.15		

##### FOR TASTE, ODOUR AND COLOUR REMOVAL

<b>GDPR 10</b>	Carbon Collar D ♦	2	1"	60	0.70	40	0.40	301 x 350	3.5
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##### FOR ACIDITY AND CORROSION REMOVAL

<b>GDPU 10</b>	lo Chem SP 12 ♥	2	1"	40	0.30	40	0.30	301 x 350	3.5
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#### DUAL CARTRIDGE FILTERS IN SERIES

##### FOR TURBIDITY AND IRON REMOVAL

GDSF 10	110 + 9060	1+1	1"	50	0.80	30	0.30	301 x 350	3.5
	9060 + 405	1+1		50	0.95	30	0.50		
	405 + 205	1+1		40	0.75	20	0.20		
	205 + 001	1+1		20	0.25	15	0.10		

##### FOR TURBIDITY, IRON, TASTE, ODOUR AND COLOUR REMOVAL

<b>GDSFR 10</b>	405 + Carbon Collar D ♦	1+1	1"	30	0.70	20	0.40	301 x 350	3.5
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- ♦ 12-package box (600 g each package)
- ♥ Phosphosilicates, are available in 2 drum packages 5 + 5 kg (about 6 recharges).
- Maximum operating pressure: 8.5 bar.
- Operating Temperature: min. 5°C - max 50°C

Quality System Certified according to UNI EN ISO 9001:2000 Norm

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Model	CARTRIDGE		Piping IN/OUT	Maximum Flow Rate	Pressure Drop	Portata consigliata	Pressure Drop	Dimensions	Shipping Weight
	Description	Q.ty							

**TRIPLET CARTRIDGE FILTERS IN PARALLEL**

*FOR TURBIDITY AND IRON REMOVAL*

<b>GTPF 10</b>	Strainer 110	3	1"	90	0.80	90	0.80	437 x 350	4.6
	Multistage 9060	3		90	1.00	90	1.00		
	Multistage 405	3		90	1.00	60	0.40		
	Multistage 205	3		90	1.00	60	0.50		
	Monostage 001	3		60	0.40	50	0.15		

*FOR TASTE, ODOUR AND COLOUR REMOVAL*

<b>GTPR 10</b>	Carbon Cullar D	3	1"	60	0.70	60	0.40	437 x 350	4.6
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*FOR ACIDITY AND CORROSION REMOVAL*

<b>GTPU 10</b>	lo Chem SP 12	3	1"	60	0.40	60	0.40	437 x 350	4.6
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**TRIPLET CARTRIDGE FILTERS IN SERIES**

*FOR TURBIDITY AND IRON REMOVAL*

<b>GTSF 10</b>	110 + 9060 + 405	1+1+1	1"	50	1.00	20	0.20	437 x 350	4.6
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**TRIPLET CARTRIDGE FILTERS (2 IN PARALLEL + 1 IN SERIES)**

*FOR TASTE, ODOUR, COLORI/TURBIDITY AND IRON REMOVAL*

<b>GT2PR1SF 10</b>	Carbon Cullar D + 205	2+1	1"	40	0.50	30	0.40	437 x 350	4.6
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**TRIPLET CARTRIDGE FILTERS (1 IN SERIES + 2 IN PARALLEL)**

*FOR TURBIDITY, IRON/ACIDITY AND CORROSION REMOVAL*

<b>GT1SF2PU 10</b>	205 + lo Chem SP 12	1+2	1"	30	0,20	20	0,40	437 x 350	4,6
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**QUADRUPLEX CARTRIDGE FILTERS IN PARALLEL**

*FOR TURBIDITY AND IRON REMOVAL*

<b>GQPF 10</b>	Strainer 110	4	1"	100	1.30	90	0.80	573 x 350	5.9
	Multistage 9060	4		100	1.50	90	1.00		
	Multistage 405	4		100	1.50	90	1.00		
	Multistage 205	4		90	1.30	70	0.60		
	Monostage 001	4		80	1.10	60	0.20		

*FOR TASTE, ODOUR AND COLOUR REMOVAL*

<b>GQPR 10</b>	Carbon Cullar D	4	1"	60	0,70	60	0,40	573 x 350	5,9
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*FOR ACIDITY AND CORROSION REMOVAL*

<b>GQPU 10</b>	lo Chem SP 12	4	1"	60	0,40	60	0,40	573 x 350	5,9
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**QUADRUPLEX CARTRIDGE FILTERS IN SERIES**

*FOR TURBIDITY AND IRON REMOVAL*

<b>GQSF 10</b>	110+9060+405+205	1+1+1+1	1"	40	1.00	20	0.30	573 x 350	5.9
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**QUADRUPLEX CARTRIDGE FILTERS (2 IN PARALLEL + 2 IN SERIES)**

*FOR TASTE, ODOUR, COLOUR/TURBIDITY AND IRON REMOVAL*

<b>GQ2PR2SF 10</b>	Carbon Cullar D +205 +001	2+1+1	1"	30	0.60	30	0.50	573 x 350	5.9
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**QUADRUPLEX (2 IN PARALLEL + 2 IN PARALLEL)**

*FOR TURBIDITY, IRON/TASTE, ODOUR AND COLOUR REMOVAL*

<b>GQ2PF2PR 10</b>	205 + Carbon Cullar D	2+2	1"	50	0.80	40	0.60	573 x 350	5.9
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**QUADRUPLEX CARTRIDGE FILTERS (2 IN SERIES + 2 IN PARALLEL)**

*FOR TURBIDITY, IRON/ACIDITY AND CORROSION REMOVAL*

<b>GQ2SF2PU 10</b>	110+405+SP 12	1+1+2	1"	30	0.60	30	0.60	573 x 350	5.9
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*FOR TURBIDITY, IRON/TASTE, ODOUR AND COLOUR REMOVAL*

<b>GQ2SF2PR 10</b>	405+205+ Carbon Cullar D	1+1+2	1"	40	1.00	30	0.80	573 x 350	5.9
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M001-93 - R 00 - 03/2000

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# GARD SYSTEM

## G.S. 1 1/2"

### MODULAR FILTRATION WITH CARTRIDGE

#### Technical Sheet

Model	CARTRIDGE		Piping IN/OUT "	Maximum Flow Rate l/minute	Pressure Drop bar	Recomende Flow Rate l/minute	Pressure Drop bar	Dimensions mm	Shipping Weight kg
	Description	Q.ty							

#### SINGLE CARTRIDGE FILTERS

##### FOR TURBIDITY AND IRON REMOVAL

GMF 15	Strainer	110	1	1 1/2"	100	0.40	70	0.20	175 x 350	2.3
	Multistage	9060	1		100	1.00	70	0.60		
	Multistage	405	1		100	0.40	50	0.20		
	Multistage	205	1		70	0.50	50	0.20		
	Monostage	001	1		40	0.20	30	0.10		

##### FOR TASTE, ODOUR AND COLOUR REMOVAL

<b>GMR 15</b>	Carbon Cullar D ♦	1	1 1/2"	30	0.70	20	0.30	175 x 350	2.3
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##### FOR ACIDITY AND CORROSION REMOVAL

<b>GMU 15</b>	lo Chem SP 12 ♥	1	1 1/2"	20	0.20	20	0.20	175 x 350	2.3
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#### DUAL CARTRIDGE FILTERS IN PARALLEL

##### FOR TURBIDITY AND IRON REMOVAL

GDPF 15	Strainer	110	2	1 1/2"	150	0.75	100	0.25	311 x 350	3.6
	Multistage	9060	2		150	1.25	100	0.55		
	Multistage	405	2		140	0.80	80	0.20		
	Multistage	205	2		140	1.95	80	0.30		
	Monostage	001	2		80	0.20	50	0.05		

##### FOR TASTE, ODOUR AND COLOUR REMOVAL

<b>GDPR 15</b>	Carbon Cullar D ♦	2	1 1/2"	60	0.70	40	0.40	311 x 350	3.6
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##### FOR ACIDITY AND CORROSION REMOVAL

<b>GDPU 15</b>	lo Chem SP 12 ♥	2	1 1/2"	40	0.20	40	0.20	311 x 350	3.6
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#### DUAL CARTRIDGE FILTERS IN SERIES

##### FOR TURBIDITY AND IRON REMOVAL

GDSF 15	110 + 9060	1+1	1 1/2"	100	1.40	60	0.60	311 x 350	3.6
	9060 + 405	1+1		100	1.50	60	0.80		
	405 + 205	1+1		80	1.00	40	0.50		
	205 + 001	1+1		60	0.60	30	0.20		

##### FOR TURBIDITY, IRON, TASTE, ODOUR AND COLOUR REMOVAL

<b>GDSFR 15</b>	405 + Carbon Cullar D ♦	1+1	1 1/2"	30	0.70	20	0.40	311 x 350	3.6
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- ♦ 12-package box (600 g each package)
- ♥ Phosphosilicates, are available in 2 drum packages 5 + 5 kg (about 6 recharges).
- Maximum operating pressure: 8.5 bar.
- Operating Temperature: min. 5°C - max 50°C

Quality System Certified according to UNI EN ISO 9001:2000 Norm

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Model	CARTRIDGE		Piping IN/OUT	Maximum Flow Rate l/minute	Pressure Drop bar	Recom- mended Flow Rate l/minute	Pressure Drop bar	Dimensions mm	Ship- ping Weight kg
	Description	Q.ty							

### TRIPLET CARTRIDGE FILTERS IN PARALLEL

FOR TURBIDITY AND IRON REMOVAL

<b>GTPF 15</b>	Strainer 110	3	1½"	150	0.60	120	0.40	447 x 350	4.7
	Multistage 9060	3		150	1.00	120	0.50		
	Multistage 405	3		150	0.70	100	0.25		
	Multistage 205	3		140	0.60	100	0.30		
	Monostage 001	3		80	0.15	60	0.05		

FOR TASTE, ODOUR AND COLOUR REMOVAL

<b>GTPR 15</b>	Carbon Cullar D ♦	3	1½"	90	0.70	60	0.50	447 x 350	4.7
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FOR ACIDITY AND CORROSION REMOVAL

<b>GTPU 15</b>	lo Chem SP 12 ♥	3	1½"	60	0.30	60	0.30	447 x 350	4.7
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### TRIPLET CARTRIDGE FILTERS IN SERIES

FOR TURBIDITY AND IRON REMOVAL

<b>GTSF 15</b>	110 + 9060 + 405	1+1+1	1½"	80	1.50	40	0.50	447 x 350	4.7
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### TRIPLET (2 IN PARALLEL + 1 IN SERIES)

FOR TASTE, ODOUR, COLOUR/TURBIDITY AND IRON REMOVAL

<b>GT2PR1SF 15</b>	Carbon Cullar D ♦ + 205	2+1	1½"	40	0.40	30	0.35	447 x 350	4.7
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### TRIPLET (1 IN SERIES + 2 IN PARALLEL)

FOR TURBIDITY, IRON/ACIDITY AND CORROSION REMOVAL

<b>GT1SF2PU 15</b>	205 + lo Chem SP 12 ♥	1+2	1½"	30	0.20	20	0.10	447 x 350	4.7
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### QUADRUPLEX CARTRIDGE FILTERS IN PARALLEL

FOR TURBIDITY AND IRON REMOVAL

<b>GQPF 15</b>	Strainer 110	4	1½"	180	0.80	120	0.40	583 x 350	6.0
	Multistage 9060	4		180	1.00	120	0.50		
	Multistage 405	4		180	1.00	120	0.40		
	Multistage 205	4		150	0.60	120	0.50		
	Monostage 001	4		90	0.20	70	0.10		

FOR TASTE, ODOUR AND COLOUR REMOVAL

<b>GQPR 15</b>	Carbon Cullar D ♦	4	1½"	120	0.70	80	0.60	583 x 350	6.0
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FOR ACIDITY AND CORROSION REMOVAL

<b>GQPU 15</b>	lo Chem SP 12 ♥	4	1½"	80	0.40	80	0.40	583 x 350	6.0
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### QUADRUPLEX CARTRIDGE FILTERS IN SERIES

FOR TURBIDITY AND IRON REMOVAL

<b>GQSF 15</b>	110+9060+405+205	1+1+1+1	1½"	60	1.40	40	0.60	583 x 350	6.0
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### QUADRUPLEX CARTRIDGE FILTERS (2 IN PARALLEL + 2 IN SERIES)

FOR TASTE, ODOUR, COLOUR/TURBIDITY AND IRON REMOVAL

<b>GQ2PR2SF 15</b>	Carbon Cullar D ♦ + 205 + 001	2+1+1	1½"	30	0.40	30	0.40	583 x 350	6.0
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### QUADRUPLEX CARTRIDGE FILTERS (2 IN PARALLEL + 2 IN PARALLEL)

FOR TURBIDITY, IRON/TASTE, ODOUR AND COLOUR REMOVAL

<b>GQ2PF2PR 15</b>	205 + Carbon Cullar D ♦	2+2	1½"	50	0.60	40	0.50	583 x 350	6.0
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### QUADRUPLEX CARTRIDGE FILTERS (2 IN SERIES + 2 IN PARALLEL)

FOR TURBIDITY, IRON/ACIDITY AND CORROSION REMOVAL

<b>GQ2SF2PU 15</b>	110 + 405 + SP 12 ♥	1+1+2	1½"	50	0.80	50	0.80	583 x 350	6.0
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FOR TURBIDITY, IRON/TASTE, ODOUR AND COLOUR REMOVAL

<b>GQ2SF2PR 15</b>	405+205+ Carbon Cullar D ♦	1+1+2	1½"	40	0.80	30	0.50	583 x 350	6.0
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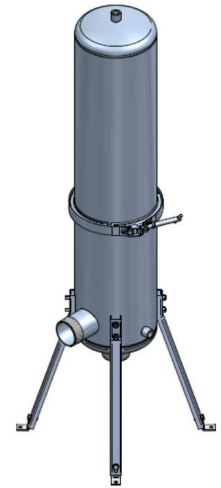
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## Multiple cartridge filter

# FGX 3



M006-78 – Rev. 04 - 01/2018

### TECHNICAL SHEET

#### GENERAL

**FGX 3** filters range consists of medium flow rate units, which can be employed for many different purposes.

**FGX 3** filters basic models are available with 3, 7 or 9 cartridges, and can house cartridges of different sizes (20, 30 and 40 inches, equal to 50, 75 and 100 cm), for different filtration degrees (1, 5 and 20 microns).

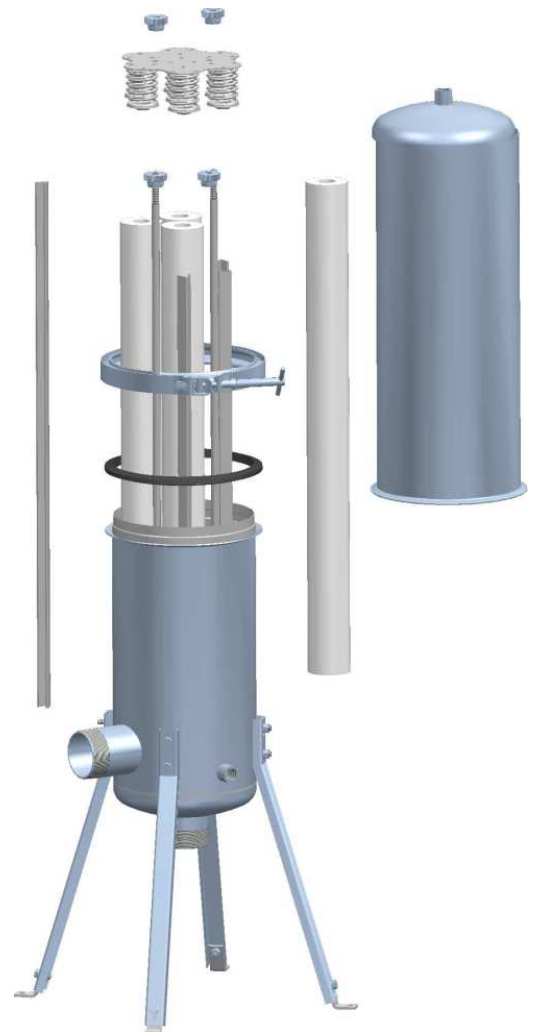
Cartridge replacement can be done easily and quickly, thanks to the clamp opening system.

The system is granted against the leakage by an EPDM gasket

FGX 3 filters with housing in polished Stainless Steel AISI 316L, threaded fittings UNI 338.

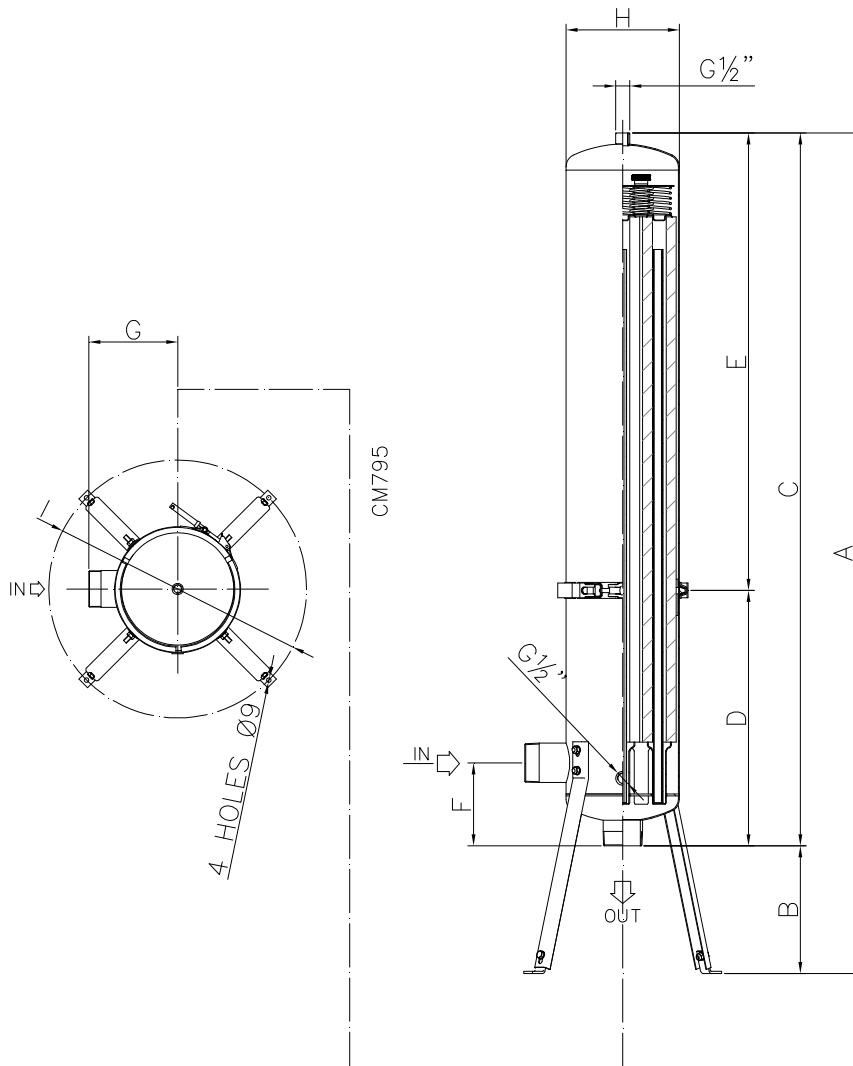
Cartridge characteristics for first supply:

- PP Melt blown
- 85% efficiency on the filtration degree mentioned
- Max working pressure: 6 BAR



#### Technical data

Model	Cartridges n.	Flow rate l/min	Fittings	Operating pressure bar	Temp. Max °C	Test pressure bar	Weight kg
<b>FGX 3 125</b>	3 x 500 mm (20")	125	2" gas	8	80	11,4	20
<b>FGX 3 150</b>	3 x 750 mm (30")	150	2" gas	8	80	11,4	22
<b>FGX 3 250</b>	3 x 1000 mm (40")	250	2" gas	8	80	11,4	24
<b>FGX 3 415</b>	7 x 750 mm (30")	415	2½" gas	8	80	11,4	27
<b>FGX 3 580</b>	7 x 1000 mm (40")	580	2½" gas	8	80	11,4	34
<b>FGX 3 750</b>	9 x 1000 mm (40")	750	3" gas	10	80	15	44

**Dimensions**


Model	Dimensions								
	A mm	B Min mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm
<b>FGX 3 125</b>	1115	265	850	495	360	150	150	168,3	320
<b>FGX 3 150</b>	1365	265	1100	495	610	150	150	168,3	325
<b>FGX 3 250</b>	1620	265	1355	495	860	150	150	168,3	320
<b>FGX 3 415</b>	1371	250	1121	495	625	160	190	219,1	360
<b>FGX 3 580</b>	1630	250	1380	495	885	160	190	219,1	360
<b>FGX 3 750</b>	1780	390	1390	710	680	190	215	273	400

*These dimensions may vary ± 5 mm.*

M006-78 – Rev. 04 - 01/2018