

Culligan®

Instantaneous
Cartridge Filters



CULLIGAN: WORLD LEADER IN THE WATER TREATMENT

CE *Designed and manufactured according to CE Directives in force*

A great solution for small water problems

If you need an economical and flexible filtration system, suitable for small flow rates, your solution are the “instantaneous cartridge filters”. Culligan range includes cartridges of different flow rates for the removal of suspended solids, for Chlorine adsorption and for the chemical conditioning of water.

FILTR-GARD FP 3/2 3/4”

Single stage filters with 3/4” connections.
 The **Filtr-Gard** is designed for use with five different filter cartridges, depending both on the filtration rate required and on the raw water quality.
 The **Flavr-Gard**, with its activated carbon cartridge, is used for dechlorination of water as well as elimination of taste and odour.
 The **Control Gard** is a phosphosilicate crystal dissolver for the protection against corrosion (by forming a protective film) of pipes and water heaters.



DESCRIPTION	FLOW RATE recommended l/min.	FLOW RATE max l/min.	DEGREE OF FILTRATION μ	PRESSURE DROP bar	FITTINGS inlet/outlet BSPT/F inch	DIMENSIONS diameter x height mm
FILTR-GARD						
Head and Housing	-	-	-	-	3/4	122 x 345
Steel Cartridge	60	100	110	0.4	-	75 x 285
Multistage Cartridge 9060	33.5	100	80	0.15	-	65 x 285
Multistage Cartridge 405	28.5	20	20	0.15	-	65 x 285
Multistage Cartridge 205	13.5	20	5	0.15	-	65 x 285
Multistage Cartridge 001	7	20	1	0.15	-	65 x 285
FLAVR-GARD						
Head and Housing	-	-	-	-	3/4	122 x 345
Carbon Cartridge	3.6	20	-	0.2	-	80 x 285
CONTROL GARD						
Head and Housing	-	-	-	-	3/4	122 x 345
Chem SP 12	8	20	-	0.2	-	-

THE FILTERING MATERIAL IS FOOD GRADE
 OPERATING DATA: max operating pressure: 8.5 bar - max operating temperature: 40 °C

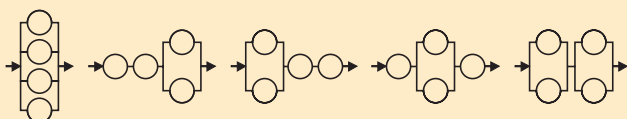


GARD SYSTEM 10-15

Individual or multiple filters with connections of 1” - 1 1/2” BSPT/F.

This exceptionally versatile modular system allows the free combination (in series and/or in parallel) of a number of housings to accommodate turbidity filters of different rating, activated carbon filters and dissolvers for the prevention of corrosion. The **Gard System** combines the easiest operation and maintenance with high performance and compact size.

Note: see separate sheets for Gard System technical data.



The diagram shows some out of the many arrangements, which can be obtained with 2, 3 and 4 elements.

EASY FILTER

The **Easy Filter** is available in 1" - 1 1/4" BSPT/M connection size; the extreme simplicity makes it ideally suited for household applications.

It is manufactured with corrosion-resistant, food grade materials. Filtration is provided by a synthetic fibre cartridge retaining particles larger than 89 microns.

The user only has to occasionally open the bottom valve to drain the turbidity which has been retained.



MODEL	FLOW RATE recommended l/min.	FLOW RATE max l/min.	FITTINGS inlet/outlet BSPT/M inch	DEGREE OF FILTRATION μ *	DIMENSIONS diameter x height mm	WEIGHT kg
F.P. 1"	60	100	1	89	124 x 290	1.8
F.P. 1 1/4"	90	120	1 1/4	89	124 x 290	2

* 50- and 150-micron cartridges are available for all models.



Semi-automatic model

SELF-CLEANING FILTERS

The Culligan **Self-Cleaning Filters** (available in automatic and semi-automatic versions) are available in 1" and 1 1/2" BSPT/M connection size. They have been developed to reduce the turbidity of water without replacement of the filter cartridge.

An AISI 316 stainless steel mesh retains the particles. A special turbine backwashes the unit periodically to remove impurities.

In semi-automatic models, the user turns a knob to start turbine backwash; in automatic models backwashing is started by a timer that can be set on three difference options: 2, 24 or 68 hours.

MODEL	FLOW RATE recommended U/min.	FLOW RATE max U/min.	FITTINGS inlet/outlet BSPT/M inch	DEGREE OF FILTRATION μ *	DIMENSIONS diameter x height mm	WEIGHT kg
FAAt 1" auto	60	100	1	50	180 x 500	6.2
FAAt 1 1/2" auto	120	160	1 1/2	50	187 x 500	6.8
FASp 1" semi-auto	60	100	1	50	150 x 345	2.7
FASp 1 1/2" semi-auto	120	160	1 1/2	50	150 x 345	3.2

The 1" model is also available in the R version, which includes a pressure reducer and pressure gauge, fitted onto the filter itself.

* 50-, 89- and 150-micron cartridges are available for all models as replacement.

DUO SERIES (high flow filters)

Self-Cleaning Filters are available also in **DUO Series**, which consists in two filters installed in parallel and connected by means of a bronze manifold, in order to facilitate the high flow rates demand.



MODEL	FLOW RATE recommended m³/h	FLOW RATE max m³/h	FITTINGS inlet/outlet	DEGREE OF FILTRATION μ	DIMENSIONS diameter x height mm	WEIGHT kg
DUO A 2" auto	12	15	2" threaded	89	450 x 385	22
DUO A DN 65 auto	14	20	DN 65	89	450 x 395	25
DUO S 2" semi-auto	12	15	2" threaded	89	450 x 385	20
DUO S DN 65 semi-auto	14	20	DN 65	89	450 x 395	23

SELF-CLEANING FILTERS (high flow)

These filters are available in 2", DN 65, 80 and 100 sizes, designed for high flow rates.

Filtration is provided by a stainless steel cartridge rated 200 microns. They are available in semi-automatic version, where backwash is started by turning a knob, or automatic models, where backwash is started by differential pressure sensor when the pressure differential between inlet and outlet rises above 0.4 bar. Connections are threaded in 2" size and flanged in DN 65, 80 and 100 sizes.



MODEL	FLOW RATE* m³/h	FLOW RATE max m³/h	BACKWASH WATER QUANTITY litres**	FITTINGS inlet/outlet diameter	DIMENSIONS width x height mm	SHIPPING alla spediz. kg
SEMI-AUTOMATIC MODELS						
F.A.S. 2"	27	56	40	2"	323 x 355	9.7
F.A.S. 65	33	69	40	DN 65	220• x 355	11.8
F.A.S. 80	60	124	40	DN 80	250• x 455	16
F.A.S. 100	66	138	40	DN 100	250• x 455	17
AUTOMATIC MODELS						
F.A.A. 2"	27	56	40	2"	323 x 445	12.7
F.A.A. 65	33	69	40	DN 65	220• x 445	14.8
F.A.A. 80	60	124	40	DN 80	250• x 545	19
F.A.A. 100	66	138	40	DN 100	250• x 545	20

* Flow rate of 0.2 bar at pressure drop

** Required quantity at 3 bar

- Width without counter-flange
- Maximum water temperature: 50 °C



FGX FILTERS

Multiple cartridge filter with housing in polished AISI 316 stainless steel, designed for medium flow rates.

The system accommodates cartridges of different filtration rating (1, 5, 20, 90 microns) using standard length of 10", 20", 30", 40" (25, 50, 75, 100 cm). Cartridge replacement is very quick thanks to the clamp opening system. The floor stand is available as option.

MODEL	FLOW RATE l/min.	CARTRIDGE No. mm	FITTINGS BSPT/M ins	DIMENSIONS dia. x height with stand mm
FGX 60	60	3 x 250	1½ gas m	168 x 685
FGX 120	120	3 x 500	1½ gas m	168 x 945
FGX 180	180	3 x 750	1½ gas m	168 x 1210
FGX 240	240	3 x 1000	1½ gas m	168 x 1475
FGX 360	360	6 x 750	2 gas m	219 x 1380
FGX 480	480	6 x 1000	2 gas m	219 x 1645
FGX 720	720	9 x 1000	3 gas m	273 x 1655

QUALITY SYSTEM CERTIFIED ACCORDING TO UNI EN ISO 9001:2000 NORM

Culligan reserves the right to change any technical or design specifications for the models shown in this brochure.

CULLIGAN ITALIANA SpA
e-mail: culligan@culligan.it
<http://www.culligan.it>

With three manufacturing plants and more than a hundred dealers, agents and representatives all over Europe, Culligan is next door wherever you are. Each and every user enjoys outstanding after-sales service. Culligan is present in every area thanks to its engineers and technicians who are ready to act for you quickly and efficiently. The Culligan organisation is represented worldwide in more than 90 countries. The logistic support it provides enables each licensee and dealer to guarantee exceptional services during and after the warranty period (one year, covering manufacturing faults and corrosion).