

**K Plus series
 housings and cartridges
 with quick-fit systems BX and CX**



HEIGHT OF MODELS:

5" 7" 10" 20"

Atlas Filtri K Plus Series.

Long life with all the advantages of the exclusive BX and CX systems

● SIMPLE

The exclusive BX and CX systems ensure that one simple movement is all it takes to obtain a perfect fit.

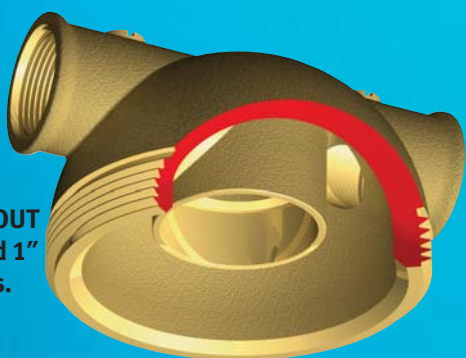
● RAPID

Just a few seconds and the cartridge is replaced.

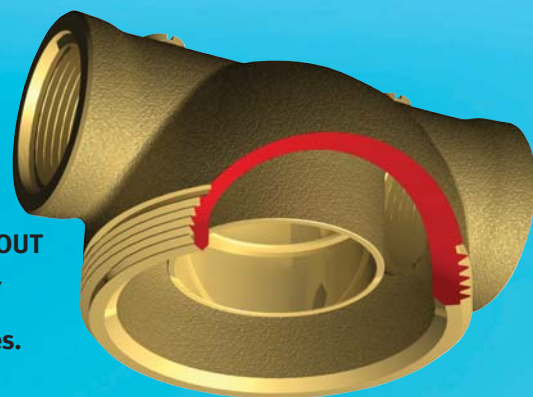
● SAFE

The double o-ring ensures a perfectly watertight fit.

K1-K2 heads with IN/OUT threads 3/4" and 1" for BX cartridges.



K5-K3-K4 heads with IN/OUT threads 1-1/4", 1-1/2" and 2" for CX cartridges.



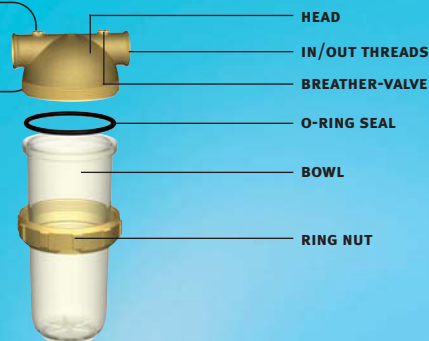
housings

3P BX

- 5" K1-K2 Medium
- 7" K1-K2 Junior
- 10" K1-K2 Senior
- 20" K1-K2 Master

3P CX

- 10" K5-K3-K4 Senior
- 20" K5-K3-K4 Master

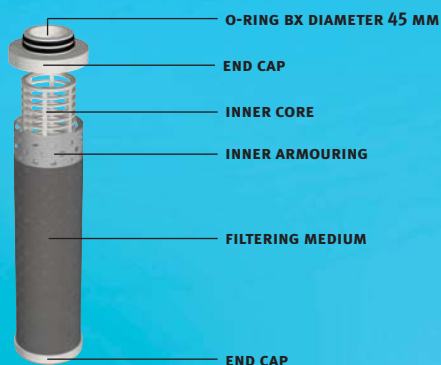


cartridges

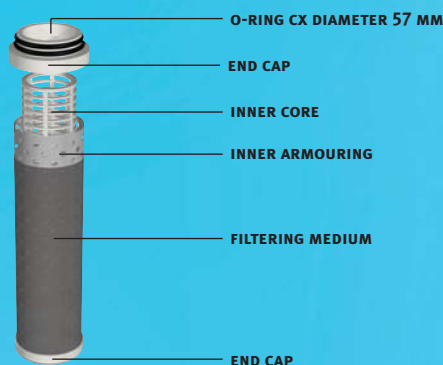
For mechanical filtration

- plastic net
- stainless steel net
- wound polypropylene thread
- special paper

BX



CX



For domestic use



For technical and industrial use

housings K Plus with brass head

for quick-fit cartridges with double O-ring BX and CX



APPLICATIONS

Filtration and treatment of water with neutral pH and drinking water.

Domestic use: filtration and treatment of drinking water, protection of taps, boilers, washing machines, and other installations.

Technical use: pre-filtration, micro-filtration; protection of pumps, heating systems, softeners, demineralising and chlorine-removing appliances.

WORKING CONDITIONS

Max working pressure _____ 10 BAR

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

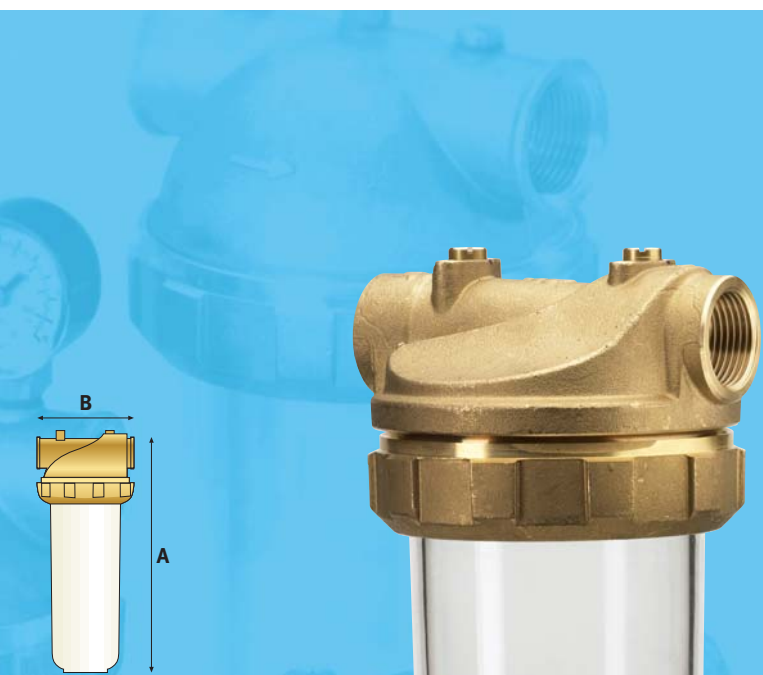
Head and ring nut: CW 614 N brass.

Bowl: polyamide (PET).

O-ring: ETP.

Breather-valve: CW 614 N brass.

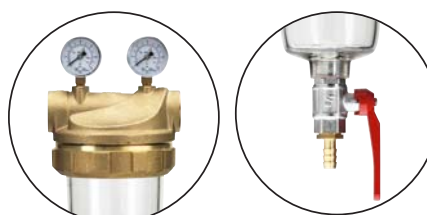
cartridge height	housings without manometers	IN/OUT threads	mm	
			A	B
5"	K1 Medium Plus 3P AFO BX	3/4"	176	125
5"	K2 Medium Plus 3P BFO BX	1"	182	130
7"	K1 Junior Plus 3P AFO BX	3/4"	226	125
7"	K2 Junior Plus 3P BFO BX	1"	232	130
10"	K1 Senior Plus 3P AFO BX	3/4"	300	125
10"	K2 Senior Plus 3P BFO BX	1"	306	130
10"	K5 Senior Plus 3P EFO CX	1 1/4"	319	140
10"	K3 Senior Plus 3P CFO CX	1 1/2"	319	140
10"	K4 Senior Plus 3P DFO CX	2"	336	140
20"	K1 Master Plus 3P AFO BX	3/4"	558	125
20"	K2 Master Plus 3P BFO BX	1"	564	130
20"	K5 Master Plus 3P EFO CX	1 1/4"	576	140
20"	K3 Master Plus 3P CFO CX	1 1/2"	576	140
20"	K4 Master Plus 3P DFO CX	2"	593	140



VARIANTS available on minimum quantity

M housings with 2 manometers for pressure drop control.

S bowl with discharge ball-valve for self-cleaning functioning (only SENIOR type).



accessories



-K- Spanner



3/4" and 1" brass nipples with O-ring



wall bracket



wall bracket screws



RL BX and CX polyester filtering net - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations.
Average life-span: about 24 months.
Maintenance: wash every 3 months.

WORKING CONDITIONS

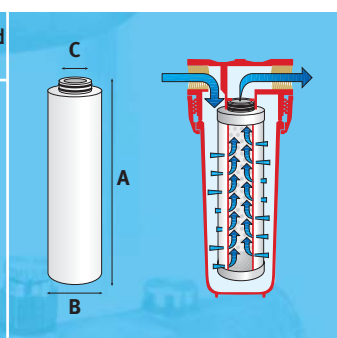
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtrating medium: polyester net.
Armouring: polypropylene.
End caps: polypropylene.
O-rings: ETP.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	RL 5 BX 50 mcr	5"	125	70	32	800
K1-K2 Junior	RL 7 BX 50 mcr	7"	173	70	32	1100
K1-K2 Senior	RL 10 BX 50 mcr	10"	250	70	32	1600
K3-K4 Senior	RL 10 CX 50 mcr	10"	250	70	40	2000
K1-K2 Master	RL 20 BX 50 mcr	20"	505	70	32	3000
K3-K4 Master	RL 20 CX 50 mcr	20"	505	70	40	3800



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

RS BX and CX pleated polypropylene filtering net - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations.
Average life-span: about 24 months.
Maintenance: wash every 3 months.

WORKING CONDITIONS

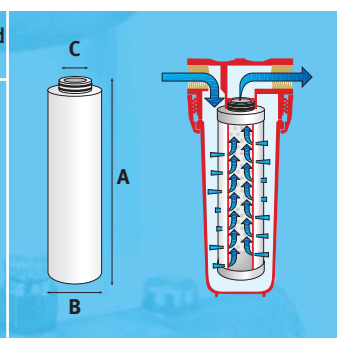
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtrating medium: polypropylene net.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: ETP.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	RS 5 BX 50 mcr	5"	125	70	32	1100
K1-K2 Junior	RS 7 BX 50 mcr	7"	173	70	32	1500
K1-K2 Senior	RS 10 BX 50 mcr	10"	250	70	32	2200
K3-K4 Senior	RS 10 CX 50 mcr	10"	250	70	40	2600
K1-K2 Master	RS 20 BX 50 mcr	20"	505	70	32	3800
K3-K4 Master	RS 20 CX 50 mcr	20"	505	70	40	4600



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

RA BX and CX stainless steel filtering net - 70 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations; filtration of brackish water (only RA-A stainless steel AISI 316 type).
Average life-span: RA-A about 5 years, RA-C about 3 years.
Maintenance: wash every 3 months.

WORKING CONDITIONS

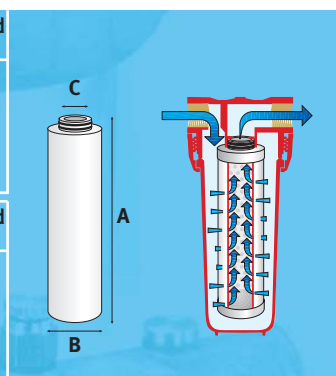
Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtrating medium: stainless steel net AISI 316 or AISI 304.
Inner armouring: stainless steel AISI 316 or AISI 304.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: ETP.

suitable housing	cartridge RA-A AISI 316	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	RA 5-A BX 70 mcr	5"	125	70	32	800
K1-K2 Junior	RA 7-A BX 70 mcr	7"	173	70	32	1100
K1-K2 Senior	RA 10-A BX 70 mcr	10"	250	70	32	1600
K3-K4 Senior	RA 10-A CX 70 mcr	10"	250	70	40	2000
K1-K2 Master	RA 20-A BX 70 mcr	20"	505	70	32	3000
K3-K4 Master	RA 20-A CX 70 mcr	20"	505	70	40	3800

suitable housing	cartridge RA-C AISI 304	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	RA 5-C BX 70 mcr	5"	125	70	32	800
K1-K2 Junior	RA 7-C BX 70 mcr	7"	173	70	32	1100
K1-K2 Senior	RA 10-C BX 70 mcr	10"	250	70	32	1600
K3-K4 Senior	RA 10-C CX 70 mcr	10"	250	70	40	2000
K1-K2 Master	RA 20-C BX 70 mcr	20"	505	70	32	3000
K3-K4 Master	RA 20-C CX 70 mcr	20"	505	70	40	3800



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

SA BX and CX pleated stainless steel filtering net - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations; filtration of brackish water (only SA-A stainless steel AISI 316 type).
Average life-span: SA-A about 5 years, SA-C about 3 years.
Maintenance: wash every 3 months.

WORKING CONDITIONS

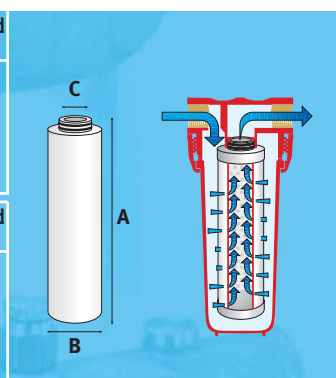
Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtrating medium: stainless steel net AISI 316 or AISI 304.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: ETP.

suitable housing	cartridge SA-A AISI 316	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	SA 5-A BX 50 mcr	5"	125	70	32	1100
K1-K2 Junior	SA 7-A BX 50 mcr	7"	173	70	32	1500
K1-K2 Senior	SA 10-A BX 50 mcr	10"	250	70	32	2200
K3-K4 Senior	SA 10-A CX 50 mcr	10"	250	70	40	2600
K1-K2 Master	SA 20-A BX 50 mcr	20"	505	70	32	3800
K3-K4 Master	SA 20-A CX 50 mcr	20"	505	70	40	4600

suitable housing	cartridge SA-C AISI 304	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	SA 5-C BX 50 mcr	5"	125	70	32	1100
K1-K2 Junior	SA 7-C BX 50 mcr	7"	173	70	32	1500
K1-K2 Senior	SA 10-C BX 50 mcr	10"	250	70	32	2200
K3-K4 Senior	SA 10-C CX 50 mcr	10"	250	70	40	2600
K1-K2 Master	SA 20-C BX 50 mcr	20"	505	70	32	3800
K3-K4 Master	SA 20-C CX 50 mcr	20"	505	70	40	4600



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

TS BX and CX pleated polyester fabric filtering medium - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations.
Average life-span: about 24 months.
Maintenance: wash every 3 months.

WORKING CONDITIONS

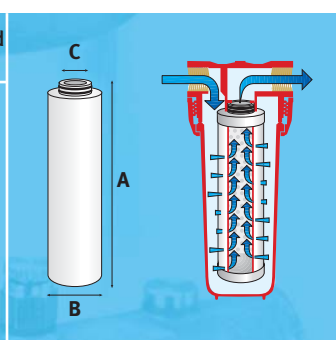
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: polyester fabric.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: ETP.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	TS 5 BX 50 mcr	5"	125	70	32	1100
K1-K2 Junior	TS 7 BX 50 mcr	7"	173	70	32	1500
K1-K2 Senior	TS 10 BX 50 mcr	10"	250	70	32	2200
K3-K4 Senior	TS 10 CX 50 mcr	10"	250	70	40	2600
K1-K2 Master	TS 20 BX 50 mcr	20"	505	70	32	3800
K3-K4 Master	TS 20 CX 50 mcr	20"	505	70	40	4600



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

CS BX and CX pleated special paper filtering medium - 25 micron throw-away cartridge



APPLICATIONS

Filtration of: sand, scale, lime, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations.
Average life-span: about 6 months.
Maintenance: none.

WORKING CONDITIONS

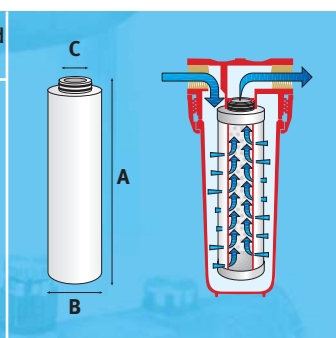
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: special paper.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: ETP.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	CS 5 BX 25 mcr	5"	125	70	32	1000
K1-K2 Junior	CS 7 BX 25 mcr	7"	173	70	32	1400
K1-K2 Senior	CS 10 BX 25 mcr	10"	250	70	32	2000
K3-K4 Senior	CS 10 CX 25 mcr	10"	250	70	40	2400
K1-K2 Master	CS 20 BX 25 mcr	20"	505	70	32	3500
K3-K4 Master	CS 20 CX 25 mcr	20"	505	70	40	4100



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

FA BX wound thread filtering medium - from 1-3 to 100 micron throw-away cartridge



APPLICATIONS

Filtration of: sand, scale, lime, rust, fine particles.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigation systems, protection of industrial installations; filtration of water and other liquids in industrial applications: chemical, petrochemical, photographic, electroplating, pharmaceutical.
Average life-span: from 3 to 6 months.
Maintenance: none.

WORKING CONDITIONS

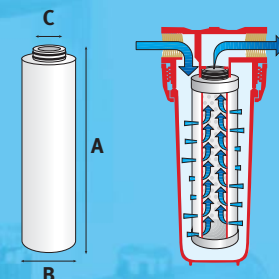
Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: polypropylene thread.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: ETP.



suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
K1-K2 Medium	FA 5 BX	5"	125	61	32	500
K1-K2 Junior	FA 7 BX	7"	173	61	32	700
K1-K2 Senior	FA 10 BX	10"	250	61	32	1000
K1-K2 Master	FA 20 BX	20"	505	61	32	2000



Available filtration rates, in micron (mcr)
 1-3 mcr 5 mcr 10 mcr 25 mcr 50 mcr 100 mcr

VARIANTS available on minimum quantity

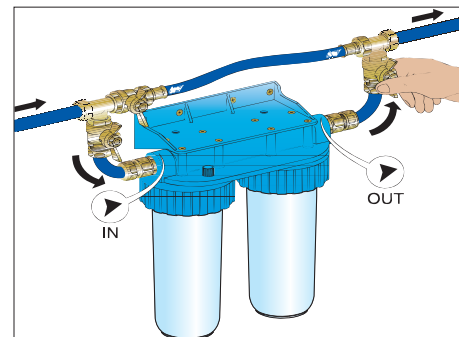
CX Cartridges with O-rings diameter 57 mm.

Installation and maintenance

Installation and maintenance of the products must be carried out in strict accordance with the instructions provided in the INSTALLATION INSTRUCTIONS manual, which is included in the housing package. Failure to comply with the instructions will render the warranty null and void.

In particular, it is forbidden to: exceed the operating conditions indicated, install the product in circuits liable to a "water hammer" effect without the use of a protection system for the filter, to filter liquids other than pH-neutral water, to filter compressed air or gas, to subject the filters to return hot water, to expose the filter to freezing or excessive heat.

The O-ring gaskets of the housing are factory-lubricated: further lubrication is not recommended.



General operating conditions

Housings and cartridges must be used within the limits of prescribed working conditions and exclusively for the applications indicated in the catalogue. Applications exceeding the limits prescribed or different from those indicated are prohibited, unless expressly authorized by the manufacturer.

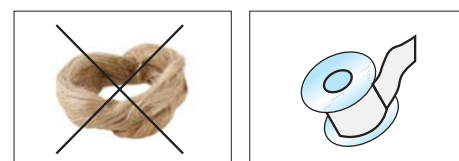
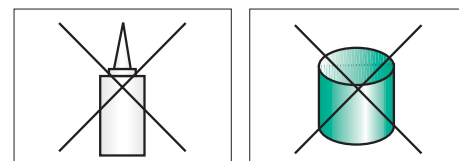
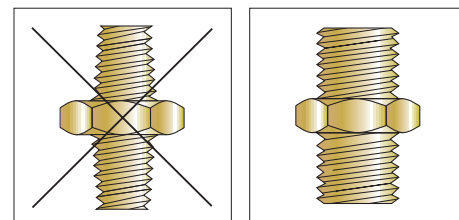
Important

Those products which may be used for the filtration and treatment of drinking water are clearly indicated in the catalogue. All products are fully compliant with European (UE) regulations.

All the other products can be used in technological applications. Atlas Filtri declines all responsibility in the case of non-compliance with the laws in force on the use of its products for the filtration and treatment of drinking water.

Caution

All types of cartridge must be disposed off in accordance with the laws in force.



◆ **The most extensive range of products** in the water filtration/treatment sector.

◆ **Advice** on all aspects of water treatment, filtration and conditioning.

◆ **Information Bureau** at your service with all the latest technical and commercial information.

◆ **Punctual delivery** to all areas.

◆ **Detailed installation and servicing instructions** provided with all products.

- ▶ **FILTERS SX**
Plastic housings and cartridges with standard flat seals (DOE). Height of models 4", 5", 7", 10", 20".
- ▶ **FILTERS BX**
Plastic housings and cartridges featuring 'quick-fit' connections with double O-ring. Height of models 5", 7", 10", 20".
- ▶ **FILTERS K**
Brass head housings and cartridges featuring 'quick-fit' connections with double O-ring. Height of models 5", 7", 10", 20".
- ▶ **PROFESSIONAL HOUSINGS AND FILTERS**
Housings with brass head and plastic bowl or stainless steel bowl. Height of models 5" and 10".
Stainless steel housings. Height of models 10".
Multi-cartridge stainless steel housings, for 3, 5, 6 cartridges. Height of models 20", 30", 40".
Manual or automatic self-cleaning and back-washing filters.
- ▶ **ANTI-SCALE SYSTEMS**
Proportional and non-proportional dosing systems with polyphosphate crystals. Height of models 4", 5", 7", 10".
Brass-head proportional dosing systems with polyphosphate powder or with ready-to-use polyphosphate refill. Template models, in-line models, 'T' connection models, models with or without by-pass valve.
Magnetic anti-scale systems.
- ▶ **TECHNO APPLIANCES**
Automatic softeners with timer or volumetric control valves. Models with integrated or with separated brine tank. Capacity of models from 8 to 70 litres.
Automatic iron-removing appliances with timer control valves. Capacity of models from 25 to 75 litres.
Automatic chlorine-removing appliances with timer control valves. Capacity of models from 25 to 75 litres.
Pumps and products for disinfection.
UV-lamp units for water sterilization. Flow rate from 300 to 2800 litres/h.



ASSOCIAZIONE AQUA ITALIA

COMPANY
WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2000 =



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improving water