



HYDRONIC COMPONENTS AND SYSTEMS



PRODUCT GUIDE
FEBRUARY 2026



INTRODUCING

IVAR

HYDRONIC IDEAS

IVAR DESIGNS, DEVELOPS AND MANUFACTURES HIGHLY ENERGY-EFFICIENT HEATING AND PLUMBING SYSTEMS. WITH OVER 10,000 CATALOGUE ITEMS - MASS-PRODUCED PRODUCTS AND UNIQUE ITEMS - IN ADDITION TO CUSTOMISED SYSTEMS AND COMBINATIONS OF COMPLEX PRODUCTS. AND IT'S ALL "MADE IN ITALY".



VISION

TO LEAD INNOVATION IN HYDRONIC SYSTEMS BY OFFERING CUTTING EDGE SOLUTIONS THAT OPTIMISE RESOURCES, IMPROVE QUALITY OF LIFE, AND PROACTIVELY ADDRESS THE CHALLENGES OF TOMORROW, BECOMING THE PREFERRED CHOICE FOR CUSTOMERS.



MISSION

TO CREATE INNOVATIVE HYDRONIC SOLUTIONS THAT ENSURE MAXIMUM EFFICIENCY, SUSTAINABILITY, AND QUALITY THROUGH CONTINUOUS INTERACTION WITH OUR CUSTOMERS, THAT WILL FACILITATE THEIR WORK AND CONTINUE TO ENHANCE OUR PRODUCTS AND SERVICE.



"MADE IN ITALY" ADDS VALUE

IVAR HAS BEEN PRODUCING **HEATING AND PLUMBING SYSTEM COMPONENTS** SINCE 1985: VALVES FOR HEATING BODIES, DIRECT HEAT METERING MODULES, HEAT COST ALLOCATORS, PIPES AND FITTINGS, SUBSTATIONS FOR HEATING SYSTEMS, DISTRIBUTION MANIFOLDS, RADIANT PANEL SYSTEMS, AND COMPONENTS FOR SOLAR AND GEOTHERMAL SYSTEMS. **AND IT'S ALL "MADE IN ITALY"**. OVER 200 PEOPLE ARE EMPLOYED AT THE MANUFACTURING FACILITIES IN PREVALLE, NEAR MILAN (IN NORTHERN ITALY'S BRESCIA PROVINCE). THE SITE HAS BEEN DESIGNED TO STREAMLINE MANY PRODUCTION AND OPERATIONAL STAGES.

THE ITALIAN HEADQUARTERS ALSO ACTS AS A HUB FOR THE WIDER **IVAR GROUP**, SET UP WITH THE GOAL OF DISTRIBUTING PRODUCTS BEYOND ITALY'S BORDERS. THE GROUP NOW HAS **11 BRANCHES**, IN BELGIUM, CHINA, FRANCE, NETHERLANDS, THE UNITED KINGDOM, THE CZECH REPUBLIC, ROMANIA, SLOVAKIA, SPAIN, THE UNITED STATES AND TUNISIA.

Know How

RESEARCH, DEVELOPMENT AND NUMEROUS LABORATORY TESTS GUARANTEE THAT CLIENTS' REQUESTS CAN BE TRANSLATED INTO NEW HIGH-EFFICIENCY PRODUCTS.

THE STAGES REQUIRED FOR PRODUCTION TAKE PLACE INTERNALLY, BEGINNING WITH HOT FORMING, WHICH IS CARRIED OUT AT THE SUBSIDIARY VALMON STAMPATI. THE CONTINUOUS IMPLEMENTATION OF PROJECTS UNDER THE INDUSTRY 4.0 INITIATIVE ALLOWS FULL ADVANTAGE TO BE TAKEN OF NEW RELEASES IN TECHNOLOGY AND IT TO IMPROVE MANUFACTURING EFFICIENCY.

AS A COMPANY, IVAR IS CONSTANTLY EVOLVING. EVERY DAY, INVESTING IN STRENGTHENING THE PRODUCTS, IN IMPROVING THE PRODUCTION PROCESSES AND IN ATTAINING NEW PATENTS AND CERTIFICATIONS.



EASY MOUNTING MAGNETIC DIRT SEPARATOR WITH STRAINER



DIRTSTOP® EASY IS THE ORIENTABLE MAGNETIC DIRT SEPARATOR WITH DUAL FILTERING ACTION WHICH CAN BE INSTALLED IN ANY POSITION WITH EASE WHILE ENSURING MAXIMUM EFFECTIVENESS.

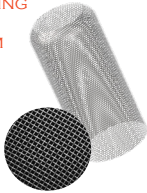
DIRTSTOP® EASY CAN BE INSTALLED IN HEATING SYSTEMS POWERED BY BOILER, HEAT PUMP OR OTHER HEAT GENERATORS. INSTALLED IN ANY POSITION STRAIGHT OUT OF THE BOX, THE INTERNAL SEPARATION CHAMBER GUARANTEES PERFECT FILTRATION IN ALL INSTALLATION POSITIONS.

A POWERFUL MAGNET WITH DIAMETRIC POLARISATION TO GENERATE A MUCH MORE UNIFORM MAGNETIC FIELD, OPTIMISING CAPTURE OF ALL IMPURITIES.

QUICK AND EASY CLEANING, THANKS TO THE INTEGRATED BALL VALVE, IT IS POSSIBLE TO INTERCEPT ONLY THE FLUID PRESENT IN THE DIRT SEPARATOR, WITHOUT HAVING TO DRAIN THE SYSTEM.

CODE: **602103** MANUF. CODE: 520360 SIZE: 22MM COMPRESSION

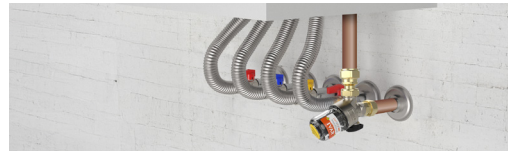
FILTERING MESH
800 µM



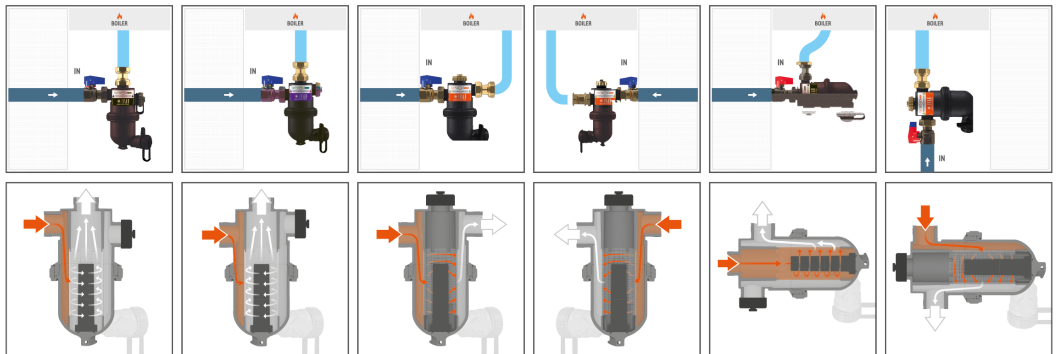
POWERFUL MAGNET
12,000G

FLUID TEMPERATURE	0 - 90°C
MAXIMUM WORKING PRESSURE	3 BAR
FLOW COEFFICIENT (KV)	STRAIGHT POSITION: 5.0M ³ /H 90° POSITION: 6.5M ³ /H
MESH FILTER	800 µM IN AISI 304 STAINLESS STEEL
COMPATIBLE FLUIDS	WATER OR GLYCOL SOLUTION (MAX 50%)
MAGNET	NEODYMIUM, MAGNETIC INDUCTION 12,000 GAUSS
FILTER CONNECTIONS	3/4" MALE X 3/4" MALE

SEE PAGE 8 FOR TECHNICAL DRAWINGS



ALWAYS FILTERS 100% IN ALL POSITIONS



ULTRACOMPACT MAGNETIC DIRT SEPARATOR WITH STRAINER

COMING SOON



DIRTSTOP® MINI IS THE ULTRACOMPACT MAGNETIC DIRT SEPARATOR, CAN BE INSTALLED EASILY AND GUARANTEES MAXIMUM EFFECTIVENESS.

DIRTSTOP® MINI CAN BE INSTALLED IN HEATING SYSTEMS POWERED BY BOILER, HEAT PUMP OR OTHER HEAT GENERATORS, TRAPPING IMPURITIES PRESENT IN THE CLOSED CIRCUIT OF THE HEATING SYSTEM.

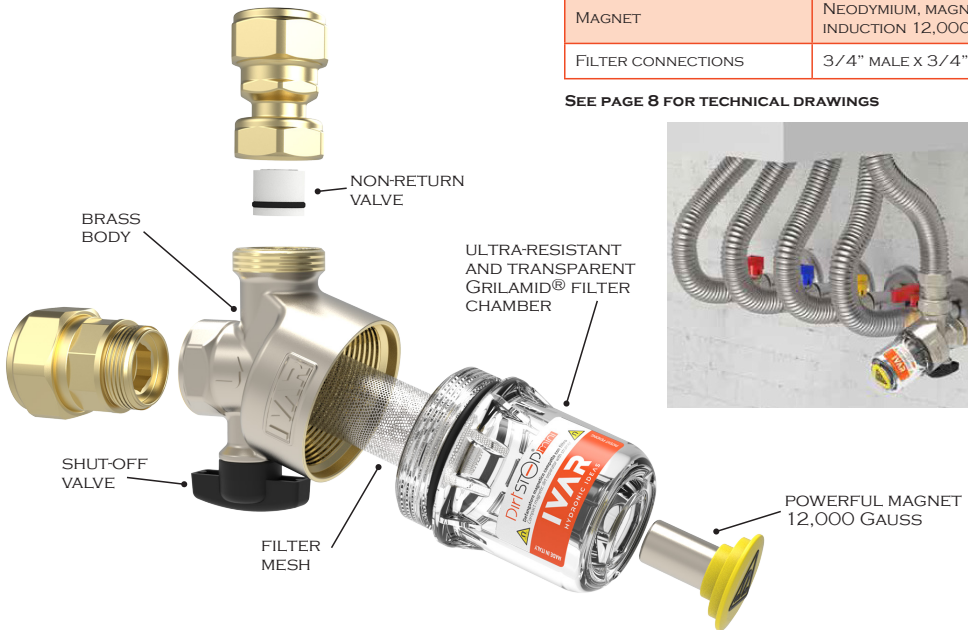
THE WATER IS FORCED TO PASS THROUGH THE STAINLESS STEEL FILTER AND THE POWERFUL NEODYMIUM MAGNET ALSO TRAPS FERROUS IMPURITIES, PROTECTING THE HEAT GENERATOR PUMP.

QUICK AND EASY CLEANING. THANKS TO THE INTEGRATED BALL VALVE AND NON-RETURN VALVE, IT IS POSSIBLE TO INTERCEPT ONLY THE FLUID PRESENT IN THE DIRT SEPARATOR, WITHOUT HAVING TO DRAIN THE SYSTEM.

CODE	MANUF. CODE	SIZE
602100	520550	22MM COMPRESSION

FLUID TEMPERATURE	0 - 90°C
MAXIMUM WORKING PRESSURE	MAX 6 BAR
FLOW COEFFICIENT (KV)	5.0m³/H
MESH FILTER	800 µM IN AISI 304 STAINLESS STEEL
COMPATIBLE FLUIDS	WATER OR GLYCOL SOLUTION (MAX 50%)
MAGNET	NEODYMIUM, MAGNETIC INDUCTION 12,000 GAUSS
FILTER CONNECTIONS	3/4" MALE X 3/4" MALE

SEE PAGE 8 FOR TECHNICAL DRAWINGS



SWIVELING MAGNETIC DIRT SEPARATOR WITH TRIPLE FILTERING ACTION



0° - 90° SWIVELING CONNECTIONS

DIRTSTOP® XL IS THE MAGNETIC DIRT SEPARATOR WITH TRIPLE FILTERING ACTION, PROTECTING THE SYSTEM AND GUARANTEES PERFECT EFFICIENCY. APPLICATIONS INCLUDE **GAS BOILERS** (UP TO 45kW) AND **AIR SOURCE HEAT PUMPS** (DESIGNED AND TESTED FOR THIS APPLICATION)

DIRTSTOP® XL COMBINES EFFECTIVE, LONG-LASTING PROTECTION WITH EASE OF INSTALLATION. ITS CYCLONIC INSERT PERFORMS AN INITIAL SEPARATION OF NON-FERROUS IMPURITIES. SUBSEQUENTLY, THE ACTION OF THE **DUAL NEODYMIUM MAGNET** AND MESH STRAINER COMPLETE THE FILTRATION, WHICH IS FACILITATED BY THE LARGE AVAILABLE VOLUME FOR ACCUMULATION OF IMPURITIES.

THE CONNECTIONS CAN BE **HORIZONTAL, VERTICAL, OR AT 45°** AND CAN BE USED INDIFFERENTLY FOR ENTRY OR EXIT FROM THE DEVICE. REGULAR CLEANING OF THE DIRT SEPARATOR IS A FAST AND SAFE PROCEDURE WHICH DOES NOT REQUIRE DRAINING DOWN THE SYSTEM.

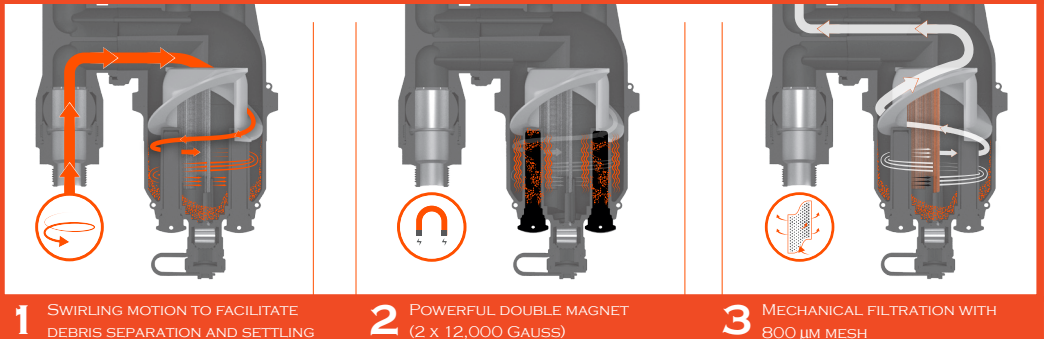
FLUID TEMPERATURE	0 - 90°C
MAXIMUM WORKING PRESSURE	3 BAR
FLOW COEFFICIENT (KV)	STRAIGHT POSITION: 5.5M ³ /H 90° POSITION: 6.5M ³ /H
MESH FILTER	800 µM IN AISI 304 STAINLESS STEEL
COMPATIBLE FLUIDS	WATER OR GLYCOL SOLUTION (MAX 50%)
MAGNET	2 x NEODYMIUM, MAGNETIC INDUCTION 12,000 GAUSS
FILTER CONNECTIONS	3/4" MALE x 3/4" FEMALE

CODE	MANUF. CODE	SIZE
602106	520303	3/4" F x F
602109	520304	1" F x F
602112	520305	1.1/4" F x F
602115	520300	3/4" M x M
602118	520301	1" M x M
602121	520302	1.1/4" M x M

SEE PAGE 9 FOR TECHNICAL DRAWINGS



TRIPLE ACTION



COLD WATER ANTI-CIRCULATION DEVICE



IN MIXED SYSTEMS WITH RADIATORS AND UNDERFLOOR HEATING AND COOLING, **AQUASTOP** MECHANICALLY PREVENTS COLD WATER FROM ENTERING THE CIRCUIT ON WHICH IT IS INSTALLED, WITHOUT THE USE OF SERVOMOTORS OR ELECTRONIC CONTROLS.

AQUASTOP CONTAINS A THERMOSTAT. WHEN THE WATER TEMPERATURE IS OVER 19°C, I.E. DURING THE WINTER MONTHS, IT MAINTAINS AN OPEN PASSAGE; WHEN THE TEMPERATURE IS BELOW 19°C, DURING THE SUMMER MONTHS, THE THERMOSTAT RETRACTS AND PREVENTS COLD WATER FROM REACHING THE UTILITIES.

AQUASTOP PREVENTS THE FORMATION OF CONDENSATION IN A SIMPLE AND ECONOMICAL MANNER.

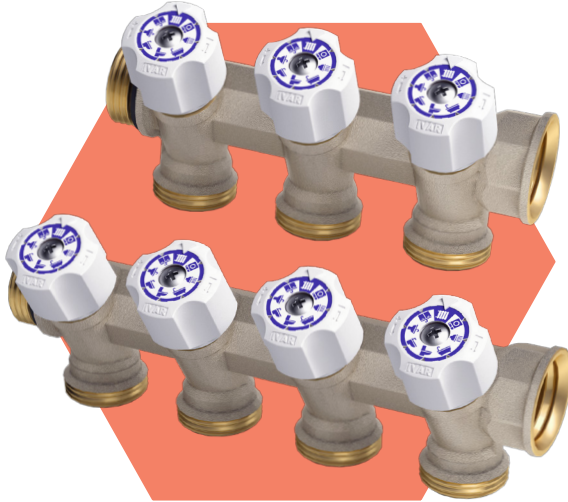
CODE	MANUF. CODE	SIZE
602200	500522	3/4" F x EUROK
602203	500495	1" F x 1" M

CLOSING TEMPERATURE	19 ± 1.5°C
MAXIMUM ΔP OPERATING AT THE VALVE ENDS	1 BAR
MAXIMUM OPERATING PRESSURE	10 BAR
MAXIMUM OPERATING TEMPERATURE	80°C
BODY	CW617N BRASS
O-RING	EPDM PEROX
AQUASTOP LENGTH	3/4" - 63MM; 1" - 108.5MM

SEE PAGE 9 FOR TECHNICAL DRAWINGS



THE PLUG-AND-PLAY MODULAR SANITARY MANIFOLDS



THE **IVAR EASY-LOCK** SERIES IS IDEAL FOR YOUR NEEDS: A COMPACT, MODULAR SANITARY MANIFOLD WITH AUTOMATIC ALIGNMENT BY HAND THANKS TO OFFSET THREADS.

IDEAL FOR PLUMBERS AND HEATING ENGINEERS

- **FAST, REPEATABLE ASSEMBLY:** PREDEFINED, **CENTRE TO CENTRE 40 MM** SPACING AND MODULAR BLOCKS MAKE LAYOUT PREDICTABLE ACROSS BATHROOMS, KITCHENS, AND UTILITY ROOMS.
- A **REVERSIBLE HOT (RED)/COLD (BLUE) INSERT** CLEARLY SHOWS EACH ELEMENT CONNECTED TO ITS CORRESPONDING OUTLET, CLEAR FOR THE END USER.
- **BETTER ACCESS IN TIGHT VOIDS:** 30° INCLINED CONNECTIONS EASE COUPLING IN CONFINED SERVICE ZONES.
- **COMMISSIONING MADE SIMPLE:** INTEGRATED, MANUALLY OPERATED ISOLATION VALVES SPEED UP PRESSURE TESTING AND FUTURE MAINTENANCE.
- **SCALE AS NEEDED:** MODULES COMBINE IN SERIES TO ADD CONNECTIONS AS YOUR DESIGN EVOLVES.
- **NO PTFE NEEDED:** THE O RING AND THREAD DELIVER A RELIABLE WATERTIGHT SEAL BETWEEN MODULES.
- **OPERATOR FRIENDLY:** ERGONOMICALLY DESIGNED VALVES ENSURE SMOOTH, CONFIDENT HANDLING ON THE LINE AND ON SITE.
- **APPLICATIONS:** BATHROOMS, KITCHENS, AND UTILITY ROOMS; SIMPLE INSTALLATION AND STRAIGHTFORWARD MAINTENANCE.

CODE	MANUF. CODE	Size
602000	507800N	3/4" 2-WAY
602003	507801N	3/4" 3-WAY
602006	507802N	3/4" 4-WAY
602009	507830N	3/4" 5-WAY
602012	502061UK	SINGLE BRACKET
602015	501160UK	DOUBLE BRACKET
602018	550009	3/4" MALE PLUG
602021	500022	3/4" FEMALE PLUG
602024	500025	EUROCONE 15MM (FOR COPPER)
602027	500684	EUROCONE 16MM (FOR MULTILAYER & PEX)

MAXIMUM WORKING PRESSURE	10 BAR
MAXIMUM OPERATING TEMPERATURE	100°C
WORKING FLUID	POTABLE WATER; WATER/GLYCOL MIXTURE 30% MAX.
MANIFOLD BODY	CW617N BRASS
O-RING	EPDM PEROX
KNOBS	ABS

SEE PAGE 10 FOR TECHNICAL DRAWINGS



602000
2-WAY



602006
4-WAY



602012
SINGLE BRACKET



602018
MALE PLUG



602024
EUROCONE (COPPER)



602003
3-WAY



602009
5-WAY



602015
DOUBLE BRACKET



602021
FEMALE PLUG



602027
EUROCONE
(MULTILAYER & PEX)

POLYPHOSPHATES AND SILICATES DOSER WITH INTEGRATED BYPASS SYSTEM



THE PROPORTIONAL POLYPHOSPHATES DISPENSER CAN BE INSTALLED ON THE COLD FEED TO THE BOILER AS WELL AS BEING USED ON OTHER APPLIANCES SUCH AS WASHING MACHINES AND DISHWASHERS, TO REDUCE THE PRESENCE OF LIMESCALE. THE POLYPHOSPHATES RELEASED BY THE DISPENSER BIND TO THE CALCIUM AND MAGNESIUM SALTS AND REDUCE THEIR PRECIPITATION, WHICH CAUSES LIMESCALE, CREATING A PROTECTIVE FILM IN THE PIPEWORK WHICH HELPS PREVENT CORROSION.

POLIFEMO®, WITH ITS MORE **COMPACT** DESIGN, COMBINED WITH A **NEW DOSING SYSTEM**, ENSURES EASY MAINTENANCE AND A **MUCH GREATER AVAILABLE FLOW RATE!** THE **VENTURI-EFFECT** DOSING OF THE POLYPHOSPHATES IS PROPORTIONAL TO THE QUANTITY OF WATER FLOWING THROUGH THE DEVICE.

THE **INTEGRATED FILTER STRAINER** PROTECTS THE SYSTEM FROM IMPURITIES, WHILE THE **BLEED VALVE** ON THE NUT FACILITATES BLEEDING OFF ANY PRESSURE IN THE BODY, THUS SIMPLIFYING REFILLING OF THE DEVICE.

ALL VERSIONS OF **POLIFEMO®** ARE EQUIPPED WITH THE **BYPASS FUNCTION** WHICH ALLOWS THE POLYPHOSPHATE CRYSTALS TO BE REFILLED WITHOUT INTERRUPTING NORMAL OPERATION OF THE DEVICE.

CODE	MANUF. CODE	SIZE
POLIFEMO®		
602150	520210	STANDARD 1/2"
602153	520211	EXTRA 1/2"
602156	520212	HIGH FLOW 1"
PHOSPHATES & SILICATES REFILL		
602159	520213	80G - FOR STANDARD AND EXTRA
602162	520218	160G - FOR HIGH FLOW
INSULATING COVERS		
602165	520214	STANDARD
602168	520215	EXTRA
602171	520216	HIGH FLOW

FLUID TEMPERATURE	5 - 40°C
MAXIMUM OPERATING PRESSURE	10 BAR
FLOW COEFFICIENT (KV)	STANDARD: 2.5M ³ /H EXTRA: 2.5M ³ /H HIGH FLOW: 14.6M ³ /H
INDICATIVE MAXIMUM FLOW RATE WITH ΔP = 0.5 BAR	STANDARD: 30 L/MIN EXTRA: 30 L/MIN HIGH FLOW: 172 L/MIN
TREATED WATER PER REFILL	STANDARD: 50M ³ EXTRA: 100M ³ HIGH FLOW: 100M ³
GUIDELINE REFILL PERIOD	STANDARD: 6 MONTHS EXTRA: 12 MONTHS HIGH FLOW: 12 MONTHS
SAFETY FILTER	500 μM IN AISI 304 STAINLESS STEEL
REFILL POUCH SIZES	STANDARD: 80G EXTRA: 160G (2 x 602159) HIGH FLOW: 160G



602159
REFILL 80G



602165
INSULATING COVER
STANDARD



602162
REFILL 160G



602168
INSULATING COVER
EXTRA



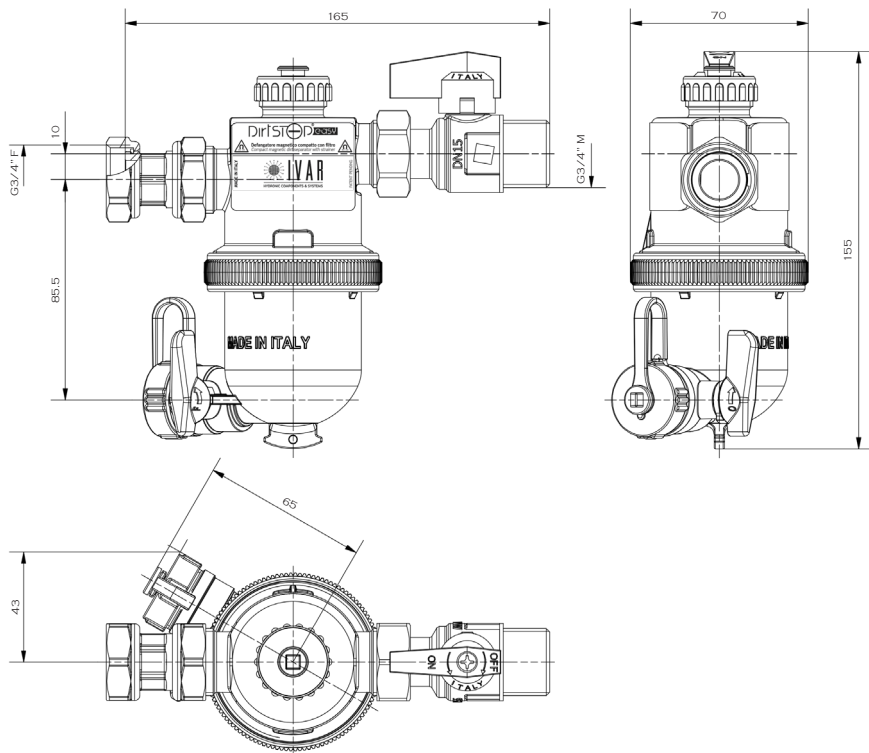
602171
INSULATING COVER
HIGH FLOW

SEE PAGE 10 FOR TECHNICAL DRAWINGS

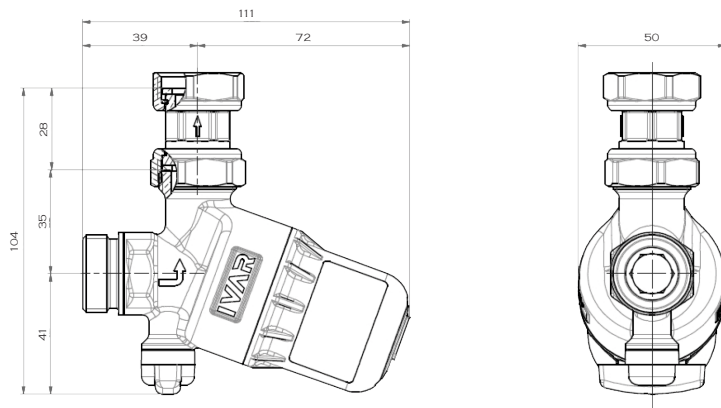
CLICK THE QR CODE FOR A VIDEO ON THE POLIFEMO®



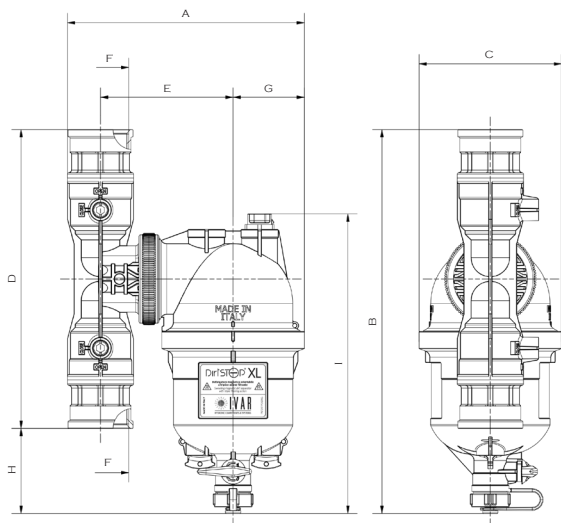
DIRTSTOP® EASY



DIRTSTOP® MINI



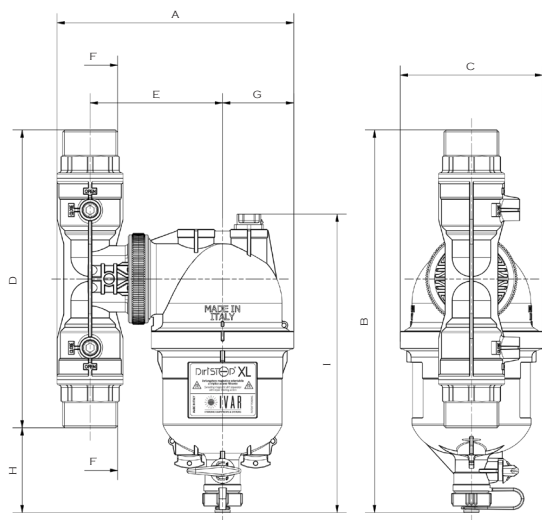
DIRTSTOP® XL



FEMALE CONNECTIONS

CODE	A	B	C	D	E
602106	180	289	110	225	100
602109	180	289	110	225	100
602112	180	289	110	225	100

CODE	F	G	H	I
602106	G3/4" F	55	64	225
602109	G1" F	55	64	225
602112	G1.1/4" F	55	64	225

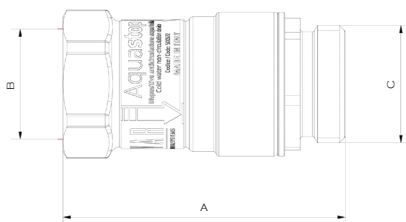


MALE CONNECTIONS

CODE	A	B	C	D	E
602115	180	285.5	110	218	100
602118	180	289	110	225	100
602121	180	289	110	225	100

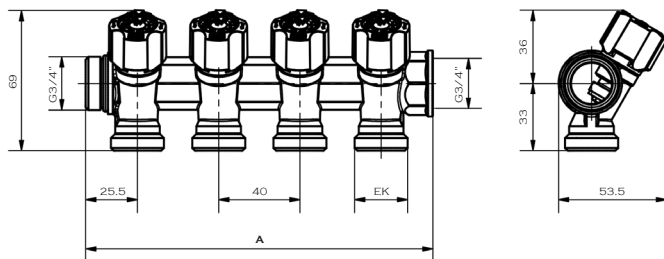
CODE	F	G	H	I
602115	G3/4" M	55	67.5	225
602118	G1" M	55	64	225
602121	G1.1/4" M	55	64	225

AQUASTOP



CODE	A	B	C
602200	63	G 3/4"	EK
602203	108,5	G 1"	G 1"

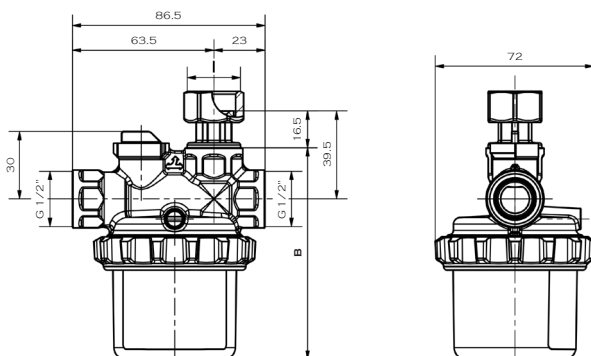
EASY-LOCK



CODE	A
602000	91
602003	131
602006	171
602009	211

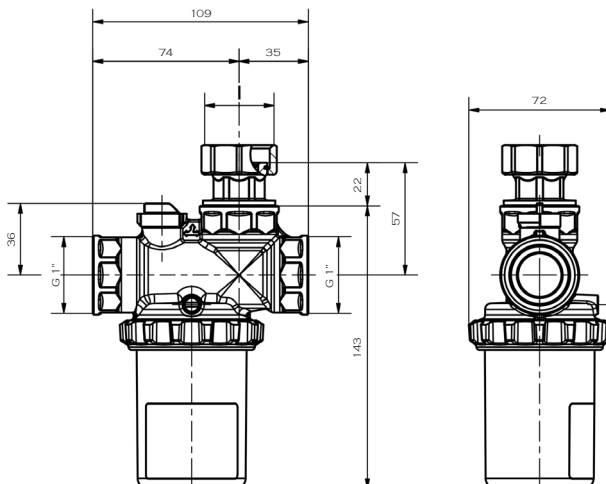
POLIFEMO®

STANDARD & EXTRA



CODE	B
602150	95
602153	125.5

HIGH FLOW



IVAR



EMBRASS
PEERLESS

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