

"IAL" CHECK VALVES WITH BRASS OBTURATOR  
 CONNECTIONS: INLET FEMALE - OUTLET FEMALE



#### HYDRAULIC FEATURES

This uncontrollable check valve "IAL" is a security device which operates automatically to prevent back flow into the main networks, thus avoiding contamination in a water distribution system. This phenomenon presents itself after suspending the water supply in the water distribution system, which creates a flow inversion. The check valve, when installed between the public main water supply and that of the user in a water distribution system, precludes contact between the water in both networks by closing automatically whenever a back flow is detected. This same valve is likewise utilized in heating plants for that same reason: that is to prevent back flow. Passage of fluids flowing in a single direction separates the obturator from its own seat, thus opening the valve. Inversely, if the fluid should flow back, it would force the obturator against the seat and consequently the valve would remain closed, preventing any passage. The obturator is made of a disc which moves linearly, which is guided by two pins forming a single body with the disc itself, upon which is assembled a sealing gasket. The reduced friction of the obturator and the precision of the internal works minimize the head loss. The check valve can be installed at any point on conditioning plants, heating systems, sanitary installations for water supply outside buildings, according to EN 805, irrigation systems and compressed air distribution systems. This product adheres to the standards set forth by the European health authorities for the transport of alimentary fluids and potable water.

#### TECHNICAL FEATURES

<b>Pressure:</b>	
Maximum allowed working pressure 1/2" - 1" (PN)	16 bar
Maximum allowed working pressure 1 1/4" - 2" (PN)	10 bar
Δp closure non-return	200 Pa (0,02bar)
<b>Temperature:</b>	
maximum working temperature (TS)	0°C (excluding ice) 110 °C
<b>Compatible fluids:</b>	
Heat transfer fluids in compliance with Italian national standards	UNI 8065 § 6
Glycolate solutions:	50% glycol
Hydrocarbons and mineral oils	
<b>Threading:</b>	
Pipeline connections	Threads according to ISO 228/1
<b>Requirements and tests as per:</b>	
Shell tightness	Test P11 - EN 12266-1

#### DESIGN

Brass Body	EN 12165 - CW617N
Seat gaskets in	NBR RUBBER
Obturator in brass	EN 12164 - CW614N and STAINLESS STEEL EN 10088-1.4301 (AISI 304)
STAINLESS STEEL Spring	EN 10088-14310 (AISI 302)

#### PRODUCT CODES

2150.915	female inlet/outlet	1/2"
2150.920	female inlet/outlet	3/4"
2150.925	female inlet/outlet	1"
2150.933	female inlet/outlet	1 1/4"
2150.942	female inlet/outlet	1 1/2"
2150.950	female inlet/outlet	2"

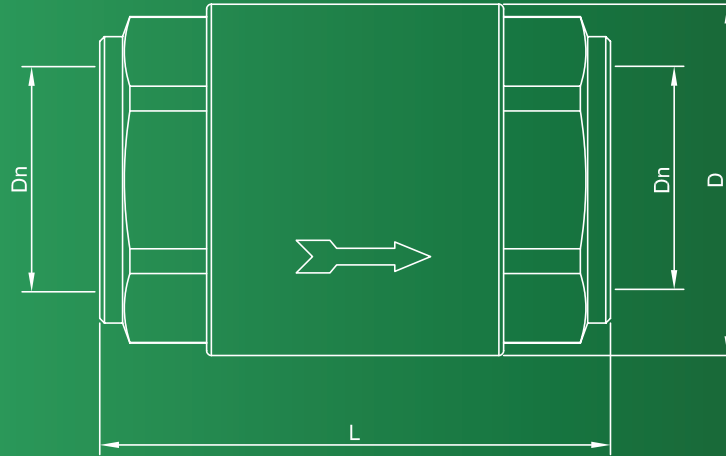


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# 2150.9 • 1/2" - 2"

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## FEATURES

Dn	D	L	Pn
1/2"	31	45	16
3/4"	39	50	16
1"	47	58	16
1"1/4	56	64	10
1"1/2	66	69	10
2"	83	77	10

## HEAD LOSS

