

2150.0 • 1/4"÷4"

2151.0 • 3/8"÷1"1/4

2152.0 • 3/8"÷1"1/4



## CHECK VALVES WITH PLASTIC OBTURATOR

CONNECTIONS: INLET FEMALE - OUTLET FEMALE  
 INLET FEMALE - OUTLET MALE  
 INLET MALE - OUTLET FEMALE



2150.0



2151.0



2152.0

## DESCRIPTION

This check valve with plastic obturator 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 backflow is detected. This same valve is likewise utilized in heating plants for that same reason: that is to prevent backflow. 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 and irrigation 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

## Pressure:

maximum allowed working pressure 1/4"÷1"(PN) 16 bar  
 maximum allowed working pressure 1"1/4÷2"(PN) 10 bar  
 maximum allowed working pressure 2"1/2÷4"(PN) 8 bar  
 $\Delta p$  closure non-return 2 kPa (0,02 bar)

## Temperature:

maximum working temperature (TS) 0°C (excluding ice) ÷ 110 °C

## Compatible fluids:

heat transfer fluids in compliance with Italian national standards (UNI 8065 § 6)  
 glycolate solutions glycol 50%

## Threading:

pipeline connections threads according to ISO 228/1

## Requirements and tests as per:

shell tightness test P11 - EN 12266-1

## DESIGN

Body brass  
 Seat gasket NBR rubber  
 Obturator acetal resin POM  
 Spring stainless steel

## PRODUCT CODES

2150.008	inlet/outlet female	1/4"	2151.012	inlet female/outlet male	3/8"	2152.012	inlet male /outlet female	3/8"
2150.012	inlet/outlet female	3/8"	2151.015	inlet female/outlet male	1/2"	2152.015	inlet male /outlet female	1/2"
2150.015	inlet/outlet female	1/2"	2151.020	inlet female/outlet male	3/4"	2152.020	inlet male /outlet female	3/4"
2150.020	inlet/outlet female	3/4"	2151.025	inlet female/outlet male	1"	2152.025	inlet male /outlet female	1"
2150.025	inlet/outlet female	1"	2151.033	inlet female/outlet male	1"1/4	2152.033	inlet male /outlet female	1"1/4
2150.033	inlet/outlet female	1"1/4						
2150.042	inlet/outlet female	1"1/2						
2150.050	inlet/outlet female	2"						
2150.066	inlet/outlet female	2"1/2						
2150.080	inlet/outlet female	3"						
2150.100	inlet/outlet female	4"						



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#### HEAD LOSS

