









art.Y28

art. Y58

art. Y73

art. Y27

Description

Barberi diverting valves are valves normally used to manage the different zones in heating and cooling systems through an electric actuator. This actuator, together with the valve's shape, allows to pass from one zone to another in only 8 seconds. Other important features are the rapid assembling of the actuator on the body without using any other device and the electrical connection through plug connector.

These valves can hence be used in heating systems, in heating plants (hang-wall boilers, wood boilers, heating pumps) and generally in industrial and agricultural installations.

Article range

art. Y28	3ways diverting valve - compression ends - 2 point actuator with rapid assembling for the valve and plug connector
art. Y58	3ways diverting valve - male thread - 2 point actuator with rapid assembling for the valve and plug connector
art. Y73	Compact 3ways diverting valve - male thread - 2 point actuator with rapid assembling for the valve and plug connector
art. Y27	Actuator for diverting valves with rapid assembling for the valve and plug connector

Technical features for actuator

Rotation time: 8 sec Rotation angle: 60° Power supply: 230V Frequency: 50Hz Absorption: 5VA

Type of command: 2 point Number of poles: 3

Cable length: standard 1 m(3 poles with plug connector like

without external output)

Protection grade: IP 40

Storage temperature: -10°; +50°C Operating temperature: -5°; +50°C

Humidity zone: **5-95%** Certification: **CE**

Integrated relay(for external output)

On request:

- power 24V 50 Hzdifferent wires' length
- 4poles wire (for external output) with plug connector

Technical features for valve

Min - max. acceptable temperature(peaks):

-20 °C (see suitable fluids) - 110 °C

Min - max. working temperature::

0 °C (No frost) - 95 °C

Max working pressure: 10 bar

Max differential pressure: 1 bar

Flow rate: Kv 7,5 (AB-->A; AB-->B)

Kv 8 (A-->AB; B-->AB)

Suitable fluids: water for heating installation, glycoled

water(max 30%), potable water

Installation connection:

Compression connection UNI EN 1254-2 M threaded connections ISO 228/1

Test: UNI EN12266-1 §A.3

Materials • Y28 - Y58 - Y73

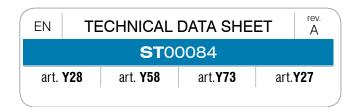
Body: Brass UNI EN 12165 CW617N Deviator: Brass UNI EN 12164 CW614N Washer's housing: Polypropylene(PP)

Washer: **NBR**

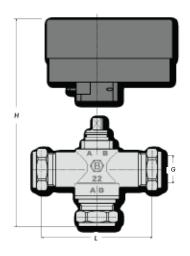




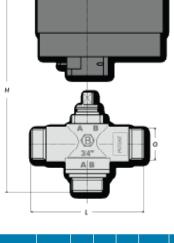




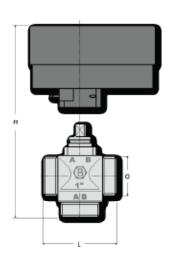
Dimensions



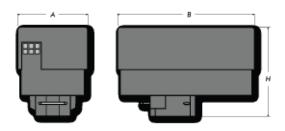
Code	G	Н	L	Cable	Weight	No Pcs/B	No Pcs/C	
Y28 022 000 MR	mm 22	127	93	-	970	1	12	
Y28022000 MR1	mm 22	127	93	1m	970	1	12	
Y28 028000 MR	mm 28	132	93	-	1014	1	12	
Y28 028000 MR1	mm 28	132	93	1m	1014	1	12	



Code	G	Н	L	Cable	Weight	No Pcs/B	No Pcs/C
Y58 020000MR	3/4" M	127	93	-	860	1	12
Y58 020 000 MR1	3/4" M	127	93	1m	860	1	12
Y58 025 000 MR	1" M	126	93	-	900	1	12
Y58 025 000 MR1	1" M	126	93	1m	900	1	12



Code	G	Н	L	Cable	Weight	No Pcs/B	No Pcs/C
Y73 025000MR	1" M	124	62	-	840	1	12
Y73 025000MR1	1" M	124	62	1m	840	1	12
Y73 032000MR	1"1/4 M	128	74	-	970	1	12
Y73 032000 MR1	1"1/4 M	128	74	1m	970	1	12



Code	Н	А	В	Cable	Weight	No Pcs/B	No Pcs/C
Y27 230 R00 1	69	54	106	1m	420	1	-



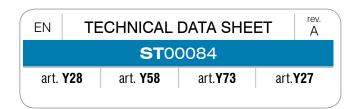
Code	No poles	Cables length[m]				
Y27000001	3	1				

Weight (gramms) - N. Pcs/B: No Pcs/Box - N. Pcs/C: No Pcs/Carton









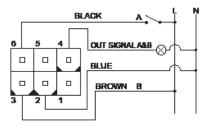
Working way



Zone indicator



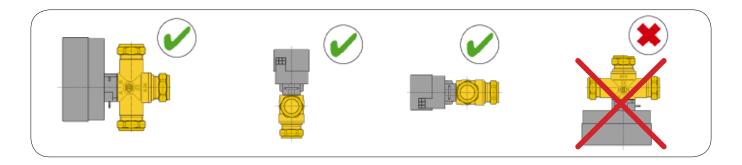
Electrical scheme



Installation

Housing

The valve can be installed either vertically or horizontally with actuator in any position otherwise than upside down.









Assembling



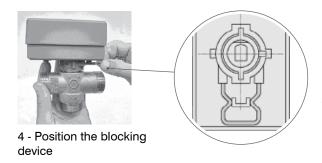
1 - Remove the blocking device



2 - Verify the correct orientation of the two parts (please refer to the cut line and the round part of the stem)



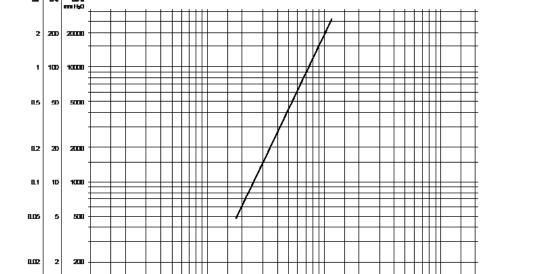
3 - Assemble the parts



Attention: place correctly the blocking device!

art. Y28

Diagrams



ШИ

100

Q1

0.2

500

0.5

1000

2000

50DXI

10000

20000

50000

100000

100

20D0D0