



technische import

Productinformatie



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DESCRIPTION

50BZ

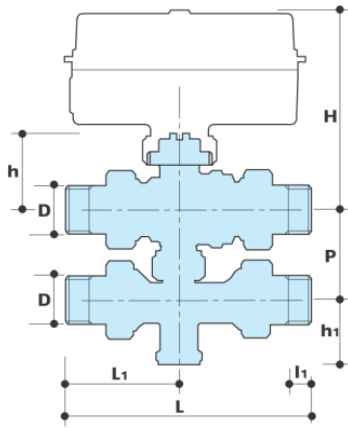
3-way zone ballvalve with by-pass. Nickel plated.

Connections: flat end tails.

To be connected to electrical actuator with reversible control **M50Z**.
Actuator not included.

Conform to **EN 13828**

DIMENSIONS



D	½"	¾"	1"
H	106	106	110
h	41	41	45
h1	36	36	39
l1	12	13	15.5
L	129	130	147
L1	61	61	70
P	50	50	60
Weight [g]	970	1050	1610

Dimensions in mm

All threads are conform to ISO 7 or ISO 228 standards

MATERIALS

Body	CW617N (EN 12165) CuZn40Pb2
Ball	CW617N (EN 12165) CuZn40Pb2 Chrome plated
Stem	CW614N (EN 12164) CuZn39Pb3
Stuffing box	CW614N (EN 12164) CuZn39Pb3
Nut	CW617N (EN 12165) CuZn40Pb2
Tail	CW617N (EN 12165) CuZn40Pb2
By-pass nut	CW614N (EN 12164) CuZn39Pb3
Seat	PTFE
O-Rings	EPDM

APPROVALS

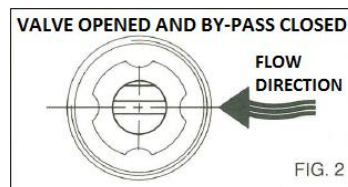
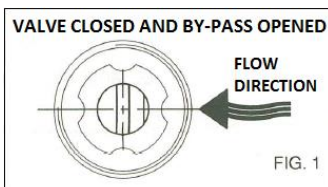


TECHNICAL SPECIFICATIONS

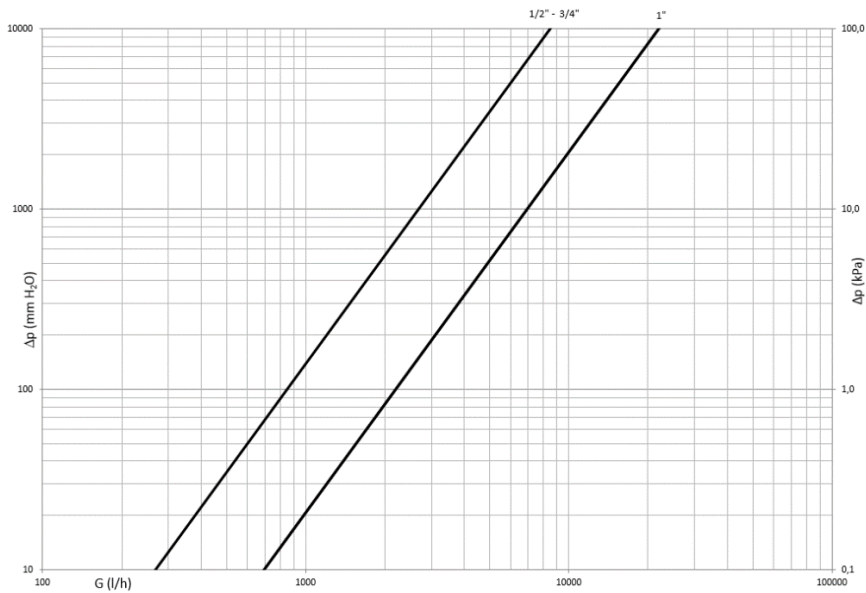
- Test pressure: 15 bar - Max differential pressure: 10 bar - Temperature range: 0°C to 110°C

- Wear resistance according to UNI 8156 - ½" and ¾" By-pass dimensions: adjustable from 48 mm to 55 mm
- 1" By-pass dimensions: adjustable from 58 mm to 65 mm

- milling on the stem indicating ball position: when perpendicular to flow direction (fig. 1), valve closed and by-pass opened; when parallel to flow direction (fig.2), valve opened and by-pass closed.

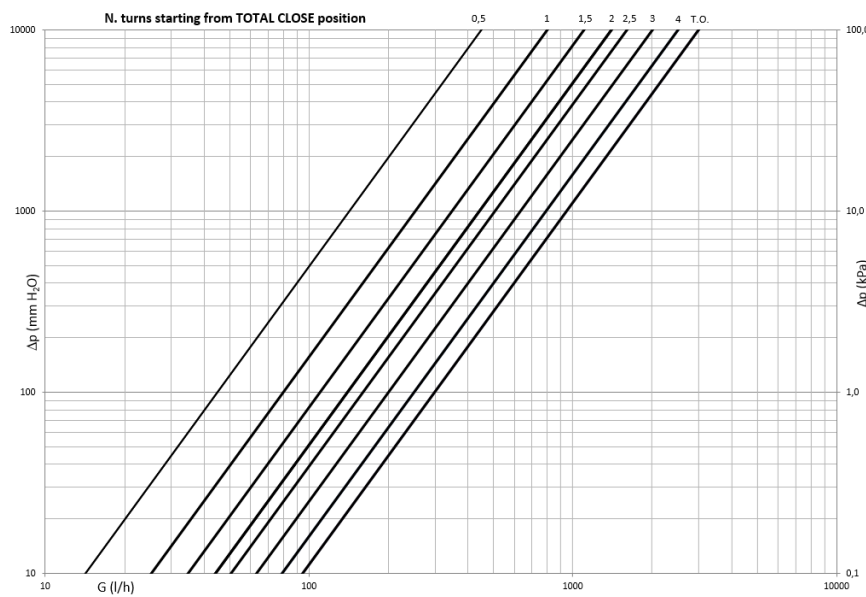


PRESSURE DROP DIAGRAM



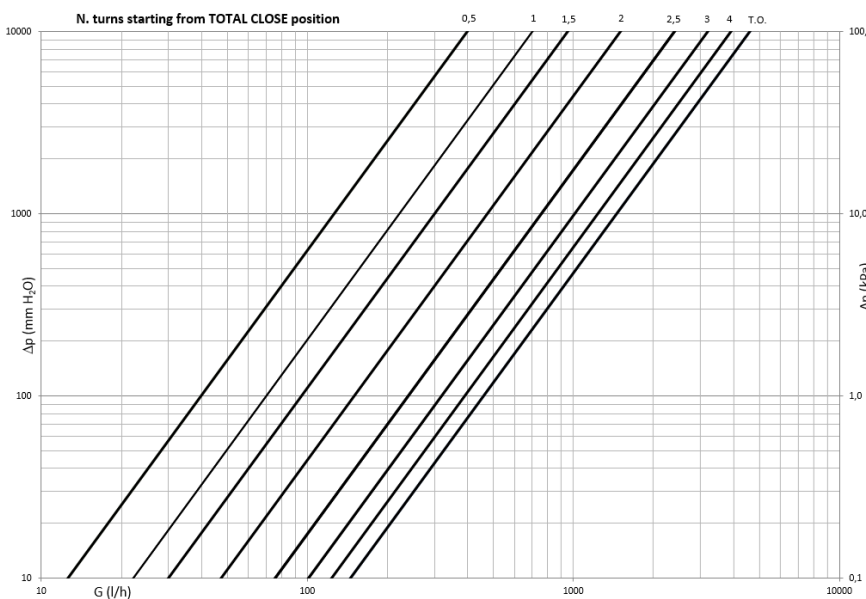
Kv of valve main direction

Dim.	1/2"	3/4"	1"
Kv	14.5	30	45
PN	28	28	28



Kv By-pass 1/2" - 3/4"

By-pass Kv variation according to number of turns of the shutter. The by-pass can be controlled by using a 6 mm Allen key.



Kv By-pass 1"

By-pass Kv variation according to number of turns of the shutter. The by-pass can be controlled by using a 6 mm Allen key.

RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

10 bar – 110°C – non shock

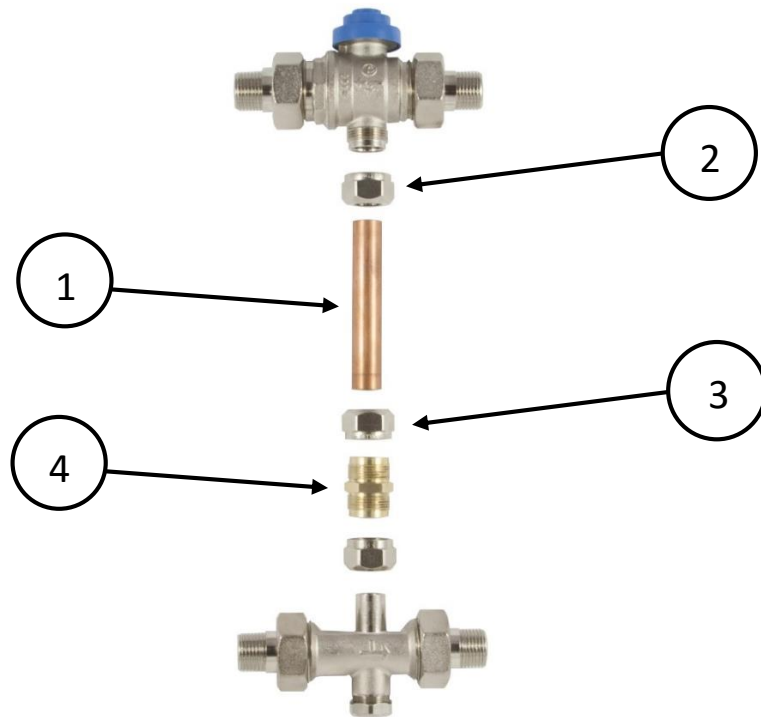
ASSEMBLY ON HEATING MANIFOLDS

The centre to centre distance of the by-pass of the zone ballvalve **50BZ** can be vary within 7 mm interval as well as it can be increased how much it needs: a piece of pipe can be inserted between the flow (ballvalve moved by the actuator, upper section) and the return (tee with shutter, on the bottom), as shown by the picture beside.



The following components are needed in order to get this configuration; these items are not included in the package:

1	<i>Copper pipe</i>	<i>PEX pipe</i>	<i>Multilayer pipe</i>
2	<p>50BZ (½" - ¾") - 3525 / 3625, recess 16 mm 50BZ (1") - 3525, recess 18 mm</p> 	<p>50BZ (½" - ¾") - 3015, recess 16 mm 50BZ (1") - 3015, recess 18 mm</p> 	<p>50BZ (½" - ¾") - 3015SCR, recess 16 mm 50BZ (1") - 3015SCR, recess 18 mm</p> 
3	<p>50BZ (½" - ¾") - 3525 / 3625, recess 16 mm 50BZ (1") - 3525, recess 18 mm</p> 	<p>50BZ (½" - ¾") - 3015, recess 16 mm 50BZ (1") - 3015, recess 18 mm</p> 	<p>50BZ (½" - ¾") - 3015SCR, recess 16 mm 50BZ (1") - 3015SCR, recess 18 mm</p> 
4	<p>50BZ (½" - ¾") - 035/2 16 x 16 50BZ (1") - 035/2 18 x 18</p> 	<p>50BZ (½" - ¾") - 035/2 16 x 16 50BZ (1") - 035/2 18 x 18</p> 	<p>50BZ (½" - ¾") - 035/2 16 x 16 50BZ (1") - 035/2 18 x 18</p> 





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