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BSP THREADED BRONZE BALANCING VALVE PN20

RC 2105



Tecofi'
FAREX FLUID SOLUTION DESIGNER

APPLICATION

The TECOFI balancing valves are designed to realize exact regulations on heating and cooling systems.
The entire threaded balancing valves RC 2105 range allows the fitter to measure the head losses and to control the installation flows with two instantaneous test points.

GENERAL CHARACTERISTICS

The proposed valves have an oblique seat which offers a good adjustment precision and a resistance lower than the valves with a straight seat: head losses are small, which for a same DN leads to more important flows than those borne by a straight seat valve. Every TECOFI balancing valves can be installed either on back or start canalizations, and in every positions.
Nameplate of registred flow rates and adjusting positions.
The balancing valve can be used as a « stop valve » and allows the fast draining and padding thanks to the drain plug.
A thrust allows memorizing the valve adjustment, without disturbing the closure.
A double adjustment locking can be obtained by tamperproof sealing the memorization and the adjustment roller of two instantaneous test points.

CONSTRUCTION

17	1	Control handle	P.A. 6-6	
16	4	Sealing screw	Copper alloy	
15	2	Head plug		
14	1	Locking half-ring	Copper alloy	
13	1	Packing gland seal	PTFE	
12	1	Packing gland washer	Copper alloy	
11	1	Packing gland nut	Copper alloy	
10	1	Cover O-ring	EPDM	
9	1	Stem O-ring	EPDM	
8	1	Stem	Copper alloy CuZn39Pb2	DIN: CuZn39Pb2 ASTM: B124 C37700 BS: 12164 CZ121
7	1	Adjusting screw	Copper alloy	
6	1	O-ring	EPDM	
5	1	Adjustable thrust stop	Copper alloy	
4	1	Cover	Bronze CuSn5Zn5Pb2-C	DIN: G-CuSn5PbZn (Rg 5) ASTM: B62 C83600 BS: 1400 LG2
3	1	Seat ring	PTFE	
2	1	Wedge	Copper alloy CuZn39Pb2	DIN: CuZn39Pb2 ASTM: B124 C37700 BS: 12164 CZ121
1	1	Body	Bronze CuSn5Zn5Pb2-C	DIN: G-CuSn5PbZn (Rg 5) ASTM: B62 C83600 BS: 1400 LG2
Pos.	Qty.	Description	Material	

DIMENSIONS

DN		A	B	G	H	L	Weight (kg)
mm	inch						
15	1/2"	28	20	1/2"	96	88.5	0,6
20	3/4"	30	23	3/4"	97	95.5	0,7
25	1"	34	27	1"	102	96	0,9
32	1" 1/4	39	31	1" 1/4	107	117	1,4
40	1" 1/2	41	33	1" 1/2	108	125	1,6
50	2"	47	39	2"	116	149	2,6

WORKING CONDITIONS

Maximum working pressure : 20 bar.
Maximum temperature : - 25°C / + 110°C.

Pressure test according to standards
EN 12266-1, DIN 3230, BS 5154 and ISO 5208 :
Body : 30 bar.
Seat : 22 bar.

STANDARDS

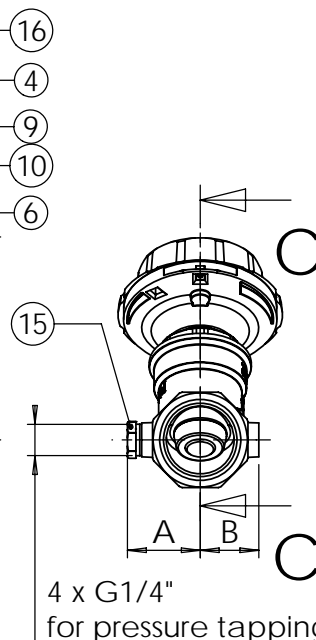
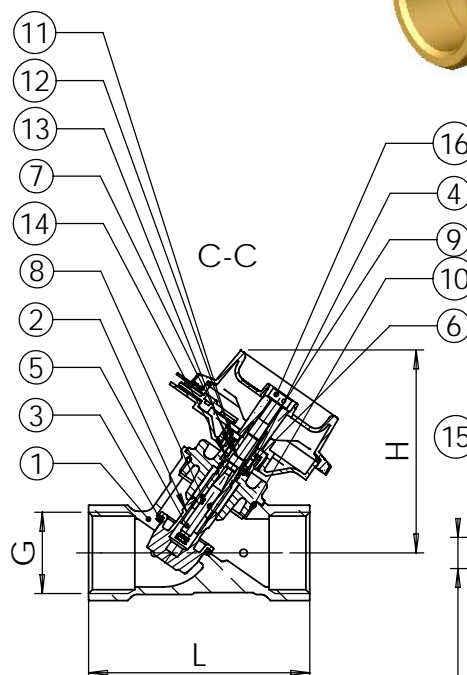
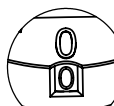
BSP threaded according to standard ISO 228-1.

Reading the position
on top and bottom

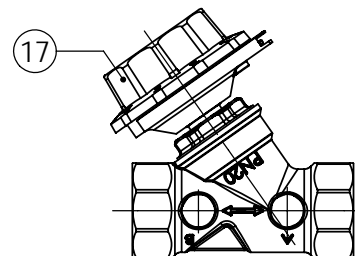
Valve
open



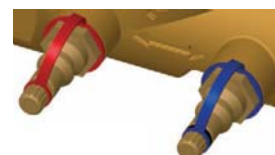
Valve
closed



Nameplate



Test points



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