



Badger Meter Europa

BRONZE CONTROL VALVE

Data Sheet
OR800

USA-Type 9100

DESCRIPTION

- Control valve in size 3/4", 1", 1,25", 1,5" and 2".
- Globe cast body.
- Maximum allowable pressure 20 bar.
- Suitable for control of medium and high flow.
- Equal percent characteristic.

APPLICATIONS

Suitable for control of liquids, gases or steam, in industrial applications. Large Cv-values relating to the valve size.

PRESSURE-TEMPERATURE RATING

Temperature (°C)	Pressure (bar)
-29 to + 66	20
93	18
121	16
149	14
177	12
207	10

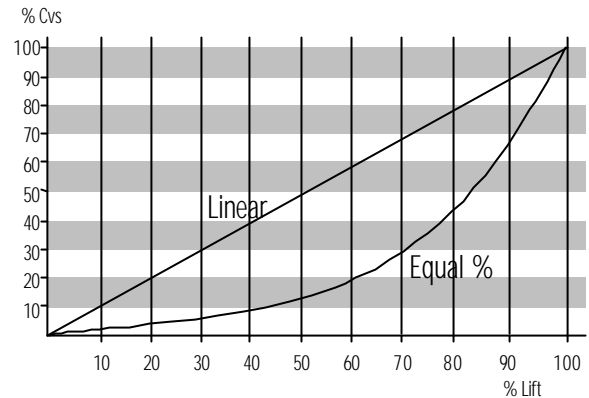
VALVE MATERIALS

Body and bonnet: Bronze B 62
 Innervalve: 316L SS (Stainless Steel)
 Body gasket: Copper
 Packing: PTFE-, V" rings, Live Loaded
 optional Grafoil
 Spring: 321 SS (Stainless Steel)
 Packing Follower: PTFE-PFA, optional Bronze or Grafoil

OPTIONS

Reduced CV's
 Linear Characteristic or On-Off
 Double Packing, REK fugitive emission packing
 Double Packing with Purge Port
 Positioners, i/p-converters, filter regulators
 limit switches, solenoid valves, gauges.
 Extended bonnet for cryogenic applications

INNERVALVE CHARACTERISTIC

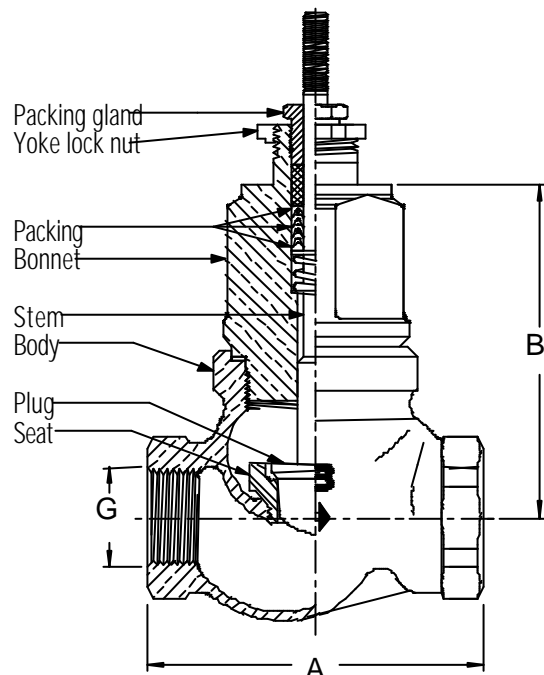


SEAT LEAKAGE

0.01% of Cvs

ANSI Class IV

DIMENSIONS



G	A	B
2"	179	56
1,5"	159	50
1,25"	159	50
1"	115	36
3/4"	115	36

INNERVALVE CHART

Valve size	Port dia. (mm)	Port area (cm ²)	Cvs (=%)	Maximum allowable pressure drop (bar)	
				Shut Off ? p	Operation ? p
2"	50,8	20,3	54	6,2	3,1
2"	44,5	15,5	36	6,2	3,1
2"	44,5	15,5	22	7,9	3,95
1,5"	41,3	13,4	35	9,3	4,65
1,5"	31,8	7,9	24	9,3	4,65
1,5"	31,8	7,9	14	15,5	7,75
1,25"	41,3	13,4	29	9,3	4,65
1,25"	31,8	7,9	20	15,5	7,75
1,25"	31,8	7,9	12	15,5	7,75
1"	25,4	5,1	15	20	10
1"	19	2,8	10	20	10
1"	19	2,8	6,0	20	10
1"	12,7	1,27	3,0	20	10
0,75"	25,4	5,1	12	20	10
0,75"	19	2,8	8,0	20	10
0,75"	19	2,8	6,0	20	10
0,75"	12,7	1,27	3,0	20	10

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