Flow and Pressure Control Valve

Figure 2710 / 2710e

IRUA Tech Ind.

VALVE DESCRIPTION

Control globe valve with perforated cylinder for a precise regulation (throttling) of flow / pressure. Excellent flow behaviour during cavitation and at any rate of flow.
Equilibrated piston design to achieve a minimum operating torque.
Operation by handwheel or electrical actuator.

SIZES:

DN50-DN900 (2”-36”)
Consult factory for larger diameters

PRESSURE RATINGS

PN10-16-25-40 (#150-#300)
Consult factory for superior ratings

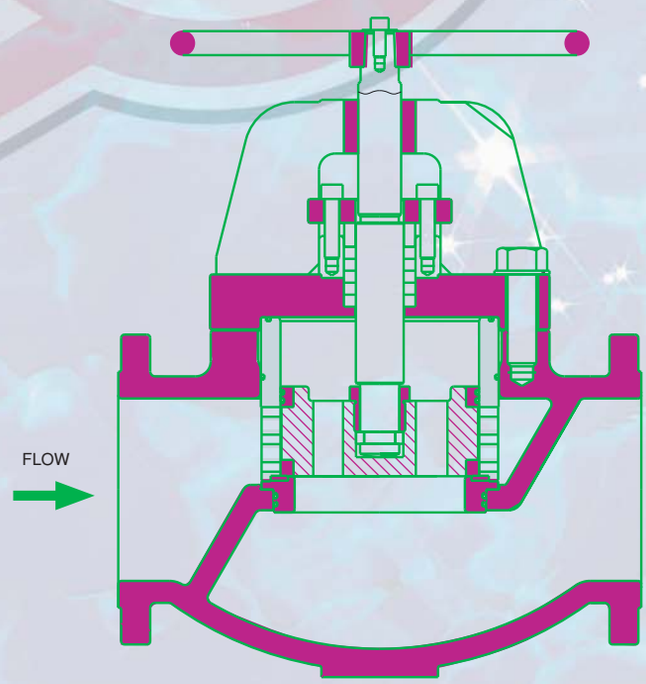
TESTING PRESSURES

Shell: 1,5 x PN
Seat: 1,1 x PN

Standard Materials:
Body: Ductile iron EN GJS500-7
Perforated cylinder, seat and stem: Stainless steel A-304
Bonnet:: Steel plate
Piston ring: Alumnium bronze

Coating:
Internal and external 200 microns thickness of non-toxic epoxy coating (FBE).

Other materials and coatings available under request.



SERVICES

Figure 2710 valve may be used for the following services:

- Precision flow control and pressure control
- Control of drainage systems
- Control by-pass of large valves, etc.
- Tank inlet flow control

OPERATION

The valve may be operated by means of:

- Handwheel (at any pressure rating), Figure 2710
- Electrical actuator, Figure 2710e

Consult for any other

FLOW

Clean water; Consult for other fluids

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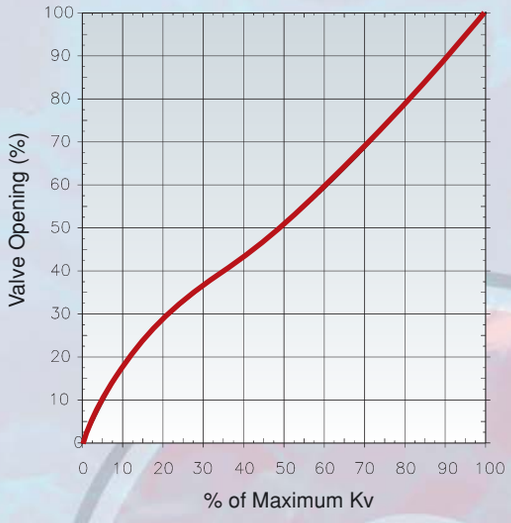
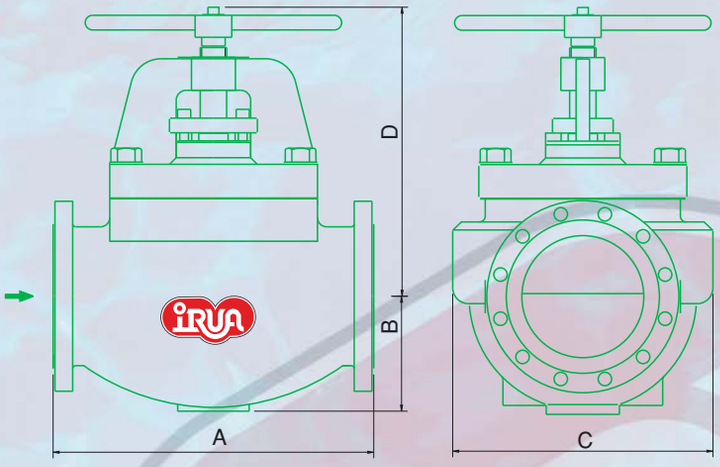
MAIN FEATURES

- Robustness design.
- Equilibrated piston that provides a very low operating torque.
- Multi perforated cylinder for an accurate regulation and filtering effect to prevent solids can reach the sealing area.
- Rising stem.
- Zero leakage seal (metal-metal plus elastomer seal)
- Specially designed to operate with total guarantee and safety at high differential pressures, even against atmospheric pressure (drainage).
- Easy maintenance: Top-Entry design to remove easily all the components of the valve.
- Valid for horizontal and vertical installation (indicate on order).

TYPICAL Fig. 2710 CONTROL VALVE INHERENT CHARACTERISTIC CURVE



DIMMENSIONS (mm.) and WEIGHTS (Kgs.)



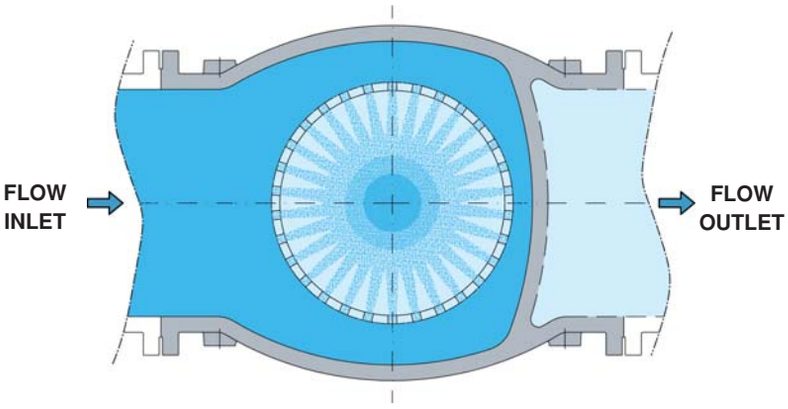
	DN50	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500	DN600
A	229	305	331	400	458	623	661	788	839	916	1.016	1.220
B	66	92	114	130	152	206	245	270	330	305	432	537
C	131	178	229	272	347	457	542	658	672	766	960	1.160
D	160	215	250	280	310	350	500	610	750	890	920	990
Weight	24	42	55	76	98	202	306	508	595	740	1.255	1.950

Consult for larger sizes

Valve operated by electrical actuator (Figure 2710e)

CROSS-SECTIONED VALVE BODY
Perforated cylinder regulation system

INTERNAL VALVE TOP VIEW
The internal design of the Fig. 2710 valve makes that the loss of energy occurs in the centre of the cylinder avoiding possible cavitation damages



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