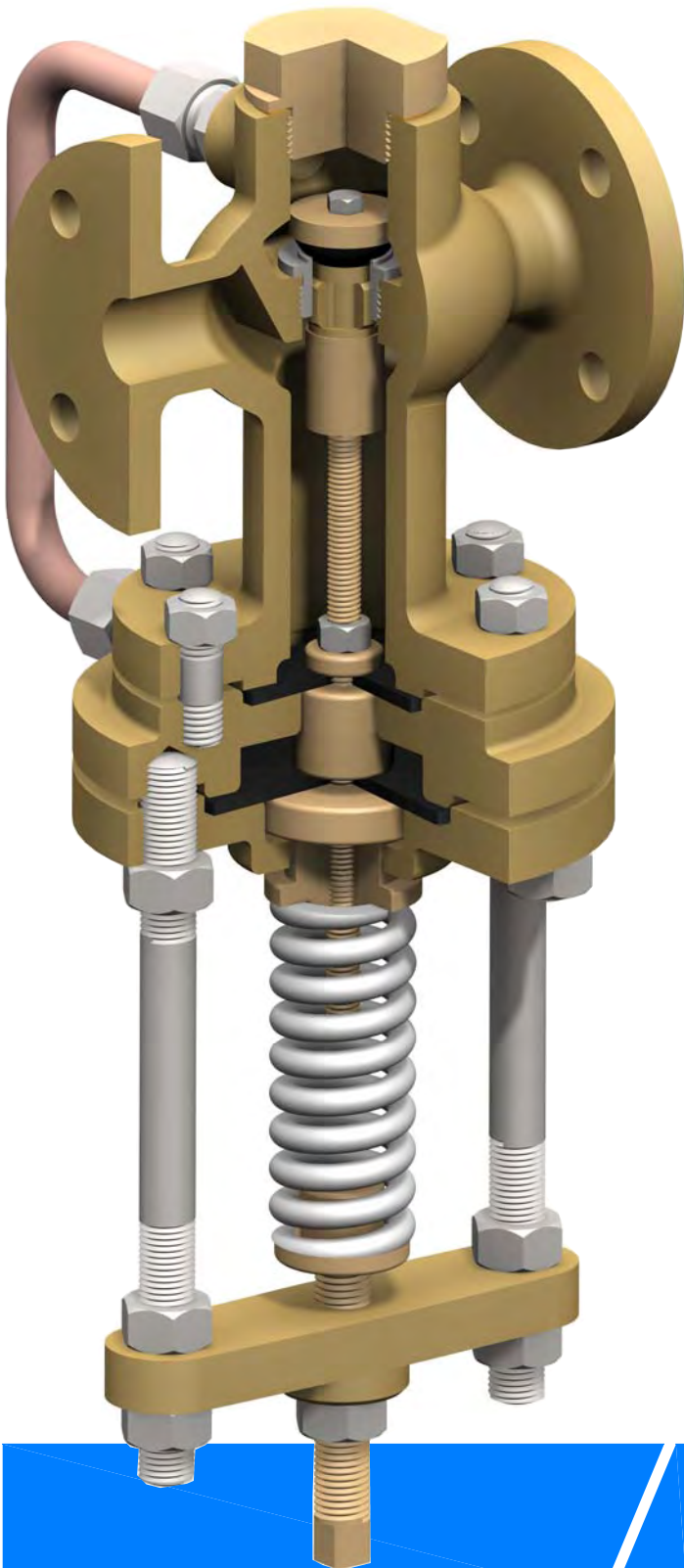


Double Control Reducing Valve

...accurately controls high pressure drops.



PRODUCT BENEFITS

The Double Control has been designed for high pressure reductions on cold fluids such as air, gas and liquids. Typical applications include ships, mining and some specialised industrial processes. The valve is a robust design for these demanding environments.

- Suitable for big pressure reductions where inlet does not exceed 750 psig.
- Self contained balance pipe
- Closing pressure performance +7% of reduced pressure
- Balanced design unaffected by changes in inlet pressure
- Responds instantly to changes in demand.
- Reduced pressure accuracy +/- 5% from full flow to 10% of flow (10 to 1 turndown)
- Soft valve faces suitable for dead end conditions.
- Single seat design for control at low flow.



PRESSURE CONTROL AND SAFETY VALVES

DOUBLE CONTROL REDUCING VALVE

SYSTEM SAFETY

The Double Control is part of a range of reducing, safety and control valves. Consideration should be given to the need for safety valves. The Factories Act requires safety valves to be fitted when the apparatus to be supplied with reduced pressure cannot with safety withstand higher pressures.

DIMENSIONS

Valve size (mm)	15	20	25	40
A - C/L to top	73	73	73	115
B - Face to face (flanged)	152	152	152	254
B - Face to face (screwed)	178	178	178	-
C - C/L to bottom	375	375	375	438
Finished weight (kg)	15	17	21	44

INSTALLATION & SERVICING

Before installing, ensure pipeline is clean. The Double Control should preferably be installed in a horizontal pipeline with the body in a vertical position. To ensure reliable service the valve should occasionally be dismantled for cleaning and, if necessary the fitting of new diaphragms and face.

VALVE SIZING

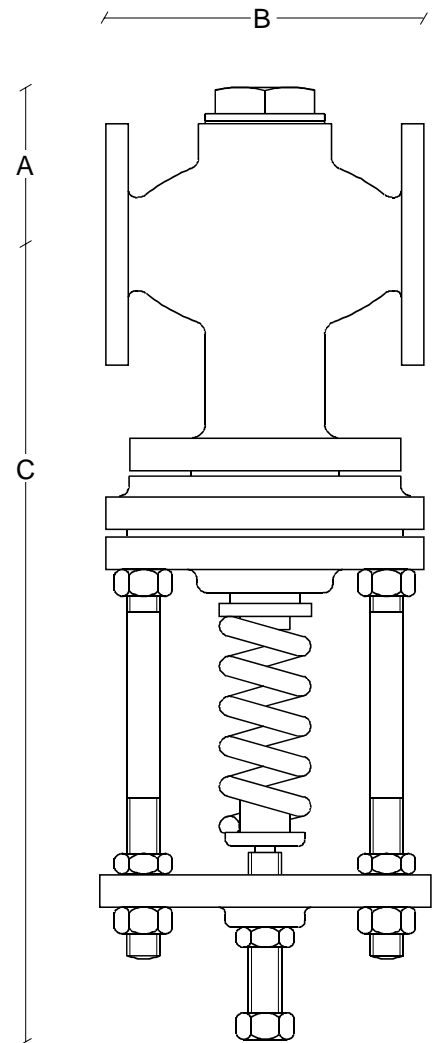
The table below lists the approximate flow coefficients (Cv) for the Double Control valve. It is recommended that valve sizing is confirmed by Auld. For this, the following minimum information is necessary.

- Fluid (molecular weight, temperature, SG, viscosity, etc.)
- Inlet pressure
- Outlet pressure
- Maximum/ minimum flow rate

Valve size (mm)	15	20	25	40
Cv - gas	0.75	1.75	3	7
Cv - Liquids, water etc.	0.50	1.20	2	4.60

LIMITING CONDITIONS

Maximum inlet	750 psig
Maximum outlet	500 psig
Minimum outlet	10 psig
Maximum temperature	150°F



FOR MORE INFORMATION

Auld Valves Ltd
 Cowlares Industrial Estate
 Finlas Street
 Glasgow G22 5DQ, Scotland
 Tel: +44 (0)141 557 0515
 Fax: +44 (0)141 558 1059
 E-mail: sales@auldvalves.com
 Web: www.auldvalves.com

