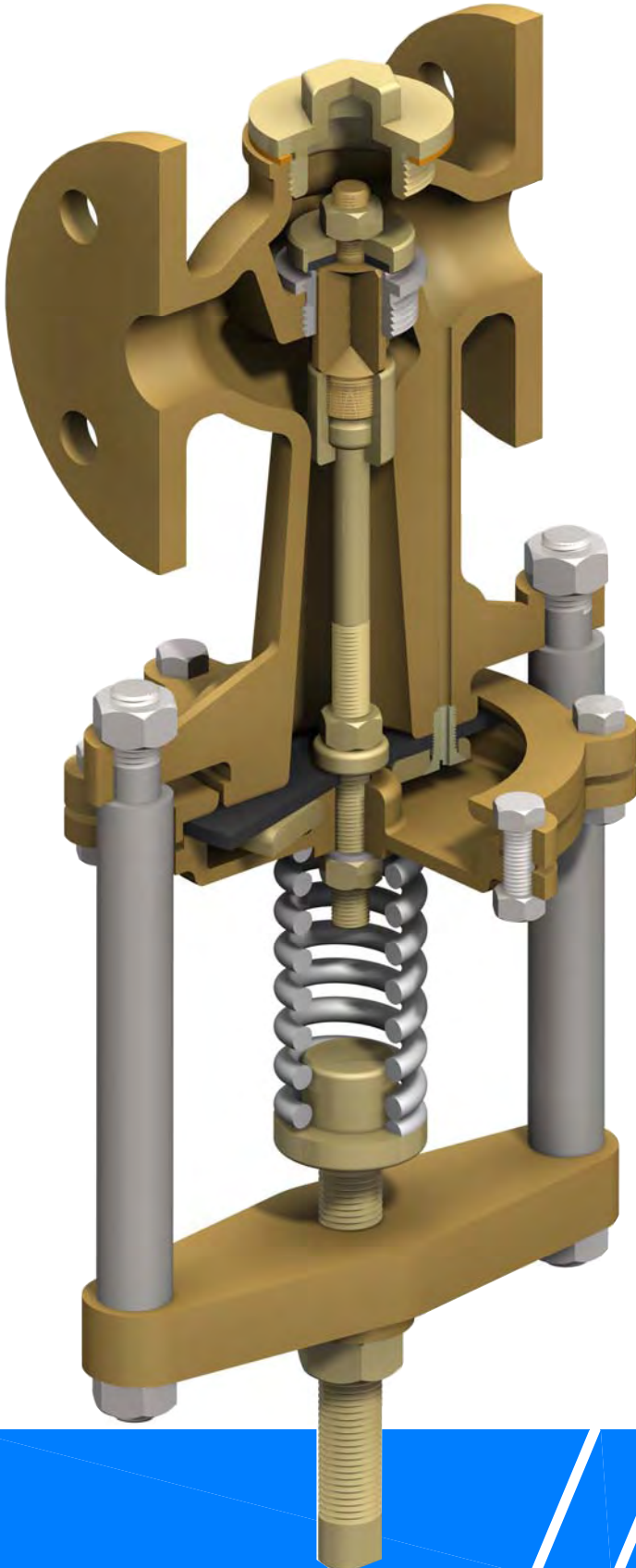
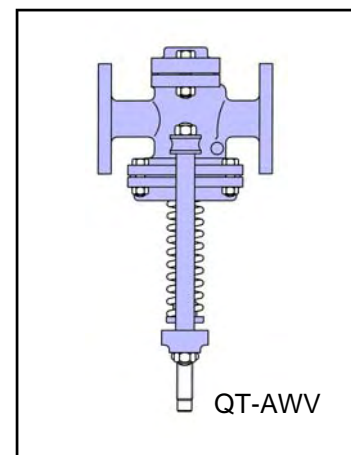


Quitetite Reducing Valve

...for steam, air and water.



The Quitetite has been designed for simple processes where fluids have to be controlled precisely at low pressures. Such applications may not be in an engineering environment and the valve should in consequence be simple and reliable. The Quitetite has been designed to perform with efficiency over lengthy periods in such situations.



- 2 versions : QT-64 for steam, air and liquid. QT-AWV for seawater and dirty water applications.
- Robust simple construction with standardised parts to give easy maintenance at longer intervals.
- Balanced design unaffected by changes in inlet pressure.
- Responds instantly to changes in demand.
- Reduced pressure accuracy $\pm 5\%$ from full flow to 10% of flow.
- Single seat design for control at low flow.
- Closing pressure performance $+7\%$ of reduced pressure.
- Soft valve faces suitable for dead end conditions.

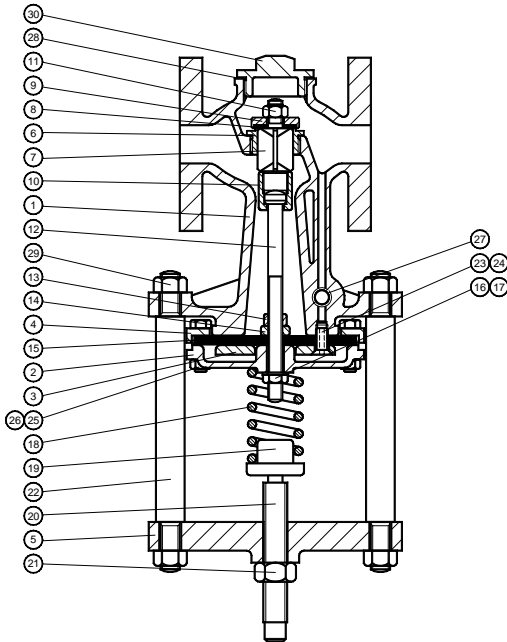
QT-64

AULD®
PRESSURE CONTROL AND SAFETY VALVES

QUITETITE REDUCING VALVE

DESIGN

The materials shown are for valves from 1/2" to 1 1/2" bore. QT-64 bronze valves. The QT-AWV is made in all seawater resisting trims. Ask for drawing and parts list. Other materials are available.



Part Name	Drg Ref	Material
Chest	1	Bronze
Cup	2	Brass
Inner ring	3	Brass
Outer ring	4	Brass
Crosshead	5	Cast iron
Valve seat	6	Stainless steel
Internal valve wings	7	Brass
Valve face	8	Rubber
Backing lid	9	Brass
Valve nut	10	Brass
Locknut/ valve plug	11	Stainless steel
Spindle	12	Brass
Ferrule	13	Brass
Washer	14	Brass
Diaphragm	15	Rubber
Spring washer	16	Spring steel
Boss nut	17	Brass
Spring	18	Spring steel
Spring cap	19	Brass
Adjusting screw	20	Mild steel
Adjusting screw locknut	21	Mild steel
Pillars	22	Mild steel
Screws	23	Stainless steel
Hollow screw	24	Stainless steel
Bolts	25	Mild steel
Nuts	26	Mild steel
Plug	27	Brass
Joint ring	28	Asbestos free
Pillar nuts	29	Mild steel
Top cover	30	Brass

LIMITS

Bronze valves	QT-64	QT-AWV
Max temperature	450°F	280°F
Max inlet pressure – steam	250 psi	-
Max inlet pressure – cold fluid	300 psi	150 psi
Max outlet pressure	120 psi	
Min outlet pressure	5 psi	

SIZING

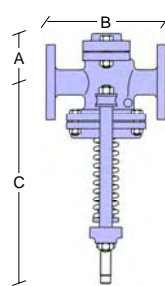
The Company will size valves if required and advise on applications.

Bore size	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
Cv: gas, steam	0.75	1.75	3	7				
Cv: liquids, water	0.5	1.2	2	4.6	8.2	12.8	18.4	32.8

INSTALLATION

When used on steam the Quietite Reducing Valve must be installed in a horizontal pipeline and the body of the valve be in a vertical position with the spring and adjusting screw below the pipeline. This is necessary as a column of water is formed in the down leg to the diaphragm chamber to protect the diaphragm from the heat. Ideally the valve should be placed high in the pipeline be and the system adequately drained immediately before and after. If this is not done the valve and seat will not remain tight owing to the erosive effect of water and dirt particles passing between the valve and valve seat. Before installing the valve, the pipes should be blown through thoroughly to remove all scale, jointing and dirt.

DIMENSIONS



QT-AWV

Bore	A		B		C		Wt (kg) approx
	QT-64	QT-AWV	QT-64	QT-AWV	QT-64	QT-AWV	
1/2"	2 1/4"	3"	5"	7"	13"	12 1/2"	6
3/4"	2 1/4"	3"	5"	7"	13"	12 1/2"	8
1"	2 1/4"	3"	5"	7"	13"	12 1/2"	10
1 1/2"	3"	3 1/2"	6 1/2"	8 1/2"	15 1/2"	12 1/2"	15
2"	-	5 1/2"	-	8"	-	15 1/2"	33
2 1/2"	-	5 3/4"	-	10"	-	16 1/4"	63
3"	-	5 3/4"	-	10"	-	16 1/4"	94
4"	-	6 1/2"	-	11 1/2"	-	20"	121

FOR MORE INFORMATION

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