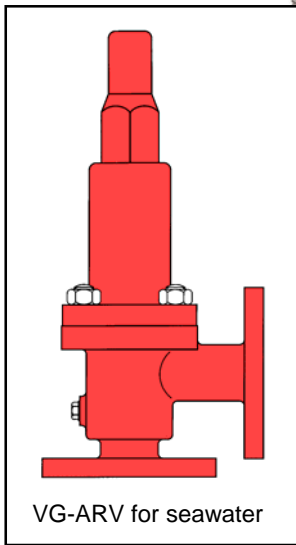
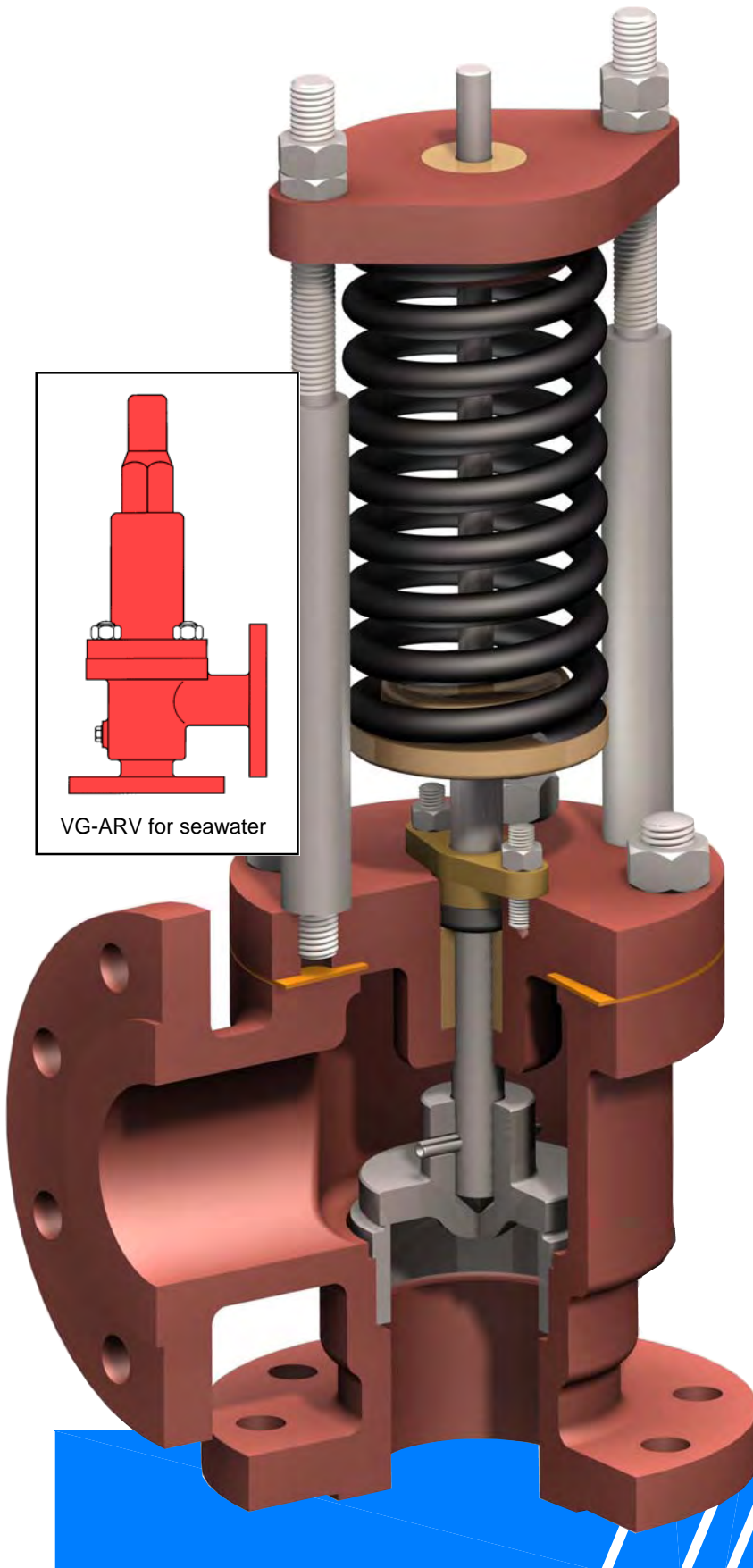


# Vigilant® Safety Valve

## ...for steam, air and water



VG-ARV for seawater



VG-EN

The Vigilant Safety Valve is used principally for liquid safety duties but can be used on steam and gas. It is totally enclosed and is supplied with the appropriate seal. The spring is preset but is capable of small adjustment. Large adjustments will require a new spring to be fitted. The valve can also be supplied with wetted parts completely in stainless steel for certain food and chemical applications. The Vigilant forms part of a complimentary range of reducing, safety and control valves.

- Blowdown characteristic of 5% to 10%.
- Totally enclosed flow design with external spring unaffected by process fluid or temperature.
- Soft face version available.
- Normal lift design to BS759 and BS1500.
- Rated flow achieved within 10% overpressure.
- Fully guided, strong construction with stainless steel trim minimises deformation and leakage.
- Constructed of standardised parts for easy maintenance.
- Springs to BS1726 Class A give clean opening, stable performance and positive closing.

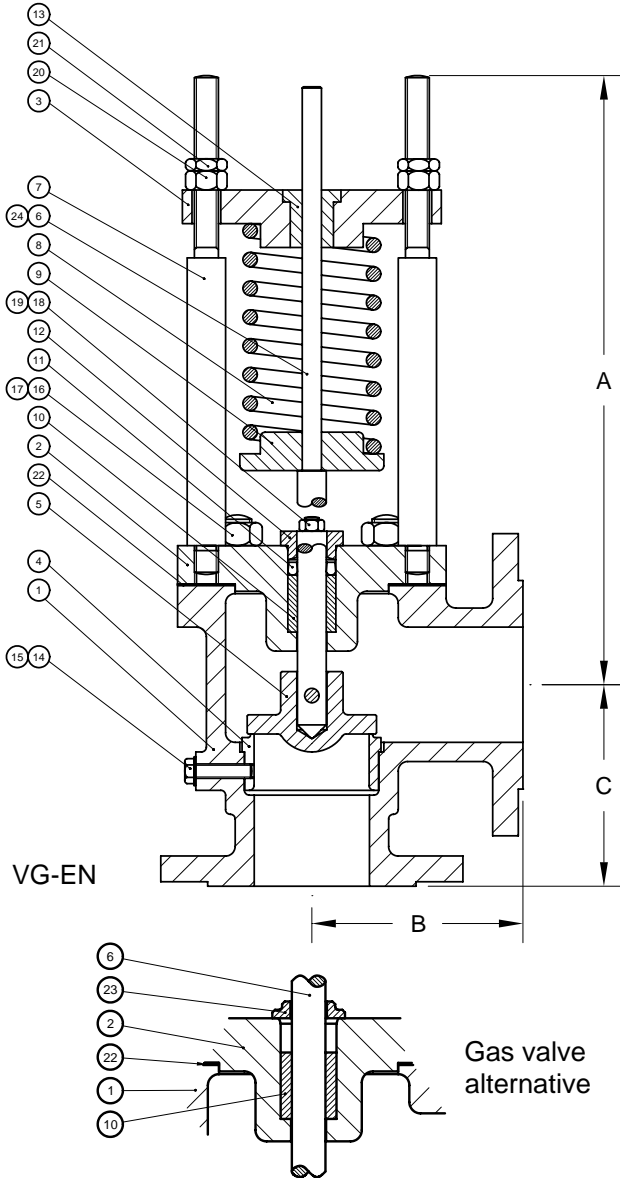
# AULD®

PRESSURE CONTROL AND SAFETY VALVES

# VIGILANT® SAFETY VALVE

## DIMENSIONS

The Vigilant valve sizes are determined by BS759/1500 using the normal lift constant. It is recommended that all sizing is confirmed by Auld. The flow rate and set pressure must be quoted.



## INSTALLATION

Pipeline dirt at installation can damage safety valves. Ensure the pipeline is clean before installing the safety valve vertically, preferably at a high point in the line.

## MATERIALS

Part name	Drg. ref.	Material
Chest	1	Cast steel/ cast iron
Top cover	2	Cast steel/ cast iron
Crosshead	3	Steel
Valve seat	4	Stainless steel
Internal valve lid	5	Stainless steel
Spindle	6	Stainless steel
Pillar	7	Steel
Spring	8	Spring steel
Spring cap	9	Bronze
Top cover bush	10	Bronze
Seal (liquid only)	11	Rubber composition
Gland (liquid only)	12	Bronze
Crosshead bush	13	Bronze
Valve pin	14	Stainless steel
Seat pin	15	Steel
Top cover stud	16	Steel
Top cover nut	17	Steel
Gland stud	18	Steel
Gland nut	19	Steel
Pillar nut	20	Steel
Pillar locknut	21	Steel
Joint	22	Non asbestos
Floating cover (gas only)	23	Bronze

## DIMENSIONS

VG body size	A C/L- top (ins)		B C/L- outlet flange (ins)		C C/L- inlet flange (ins)		Weight (kg)
	EN	ARV	EN	ARV	EN	ARV	
1"	-	9.25	-	3.5	-	2.75	5
1½"	-	8.75	-	4.5	-	3.75	9
2"	12.5	8.75	5.25	4.5	4.5	4	22
2½"	15.5	10.5	5.5	5.5	4.75	4.75	26
3"	16	10.5	5.5	5	5.25	5	30
4"	19.5	13	6.75	6.875	6.5	6.5	42
6"	26.25	-	8.5	-	8.5	-	105
8"	32.25	-	9	-	10	-	185

## LIMITS

Ref	Material	Max. Temp	Maximum pressure (bar)							
			25mm	40mm	50mm	65mm	80mm	100mm	150mm	200mm
M1	Iron	220°C	-	-	12.5	12.5	12.5	12.5	10	8.25
M2, M6	Steel SS	260°C	-	-	20	20	19	19	17.25	17.25
M3	Bronze	260°C	20	18	7	9	5	4	-	-

## FOR MORE INFORMATION

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