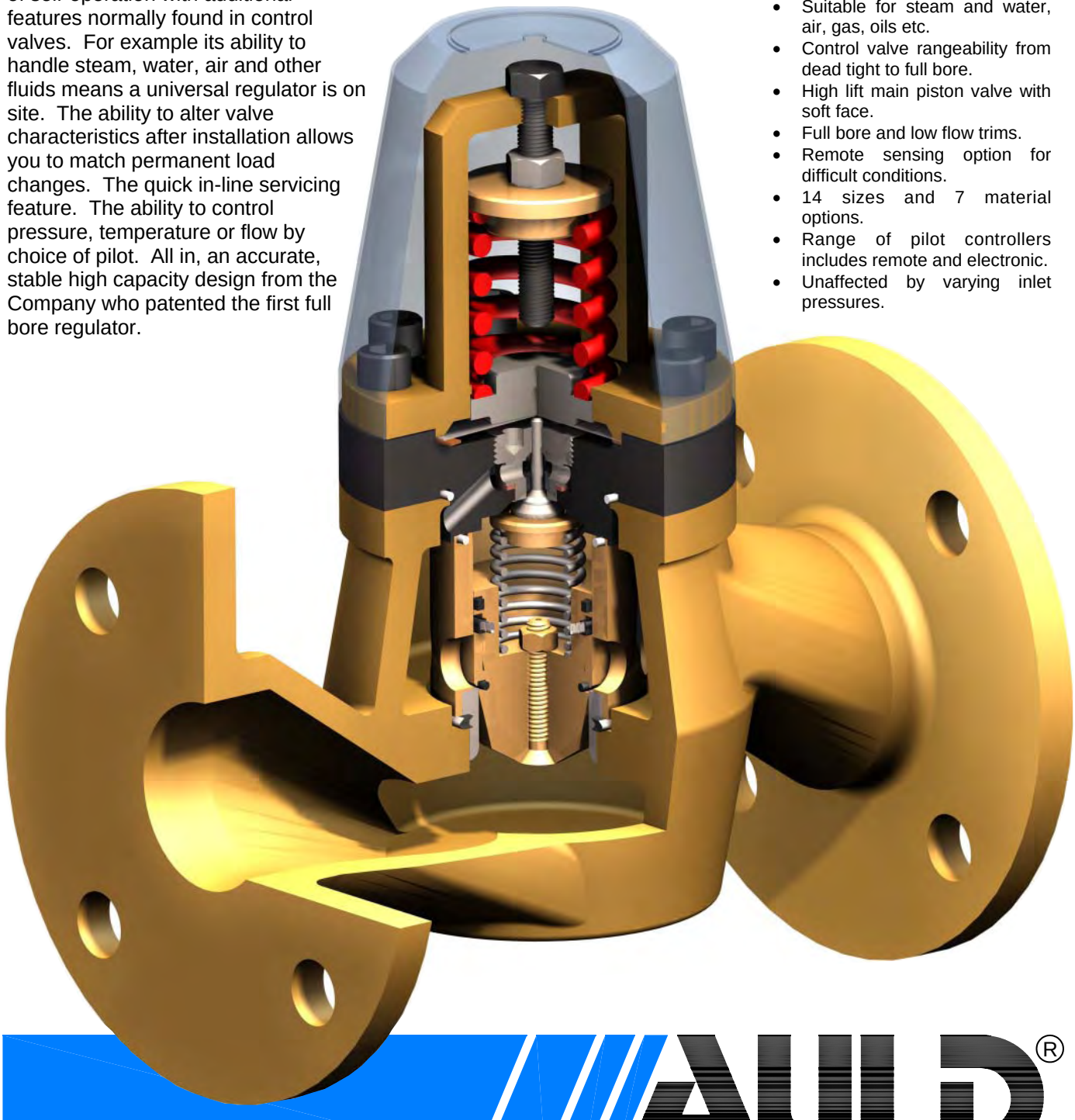
Standfast® Reducing Valve

...the pressure regulator with control valve performance.

The Standfast combines the simplicity of self-operation with additional features normally found in control valves. For example its ability to handle steam, water, air and other fluids means a universal regulator is on site. The ability to alter valve characteristics after installation allows you to match permanent load changes. The quick in-line servicing feature. The ability to control pressure, temperature or flow by choice of pilot. All in, an accurate, stable high capacity design from the Company who patented the first full bore regulator.

- Accurate self operated pressure control ± 1%.
- Suitable for steam and water, air, gas, oils etc.
- Control valve rangeability from dead tight to full bore.
- High lift main piston valve with soft face.
- Full bore and low flow trims.
- Remote sensing option for difficult conditions.
- 14 sizes and 7 material options.
- Range of pilot controllers includes remote and electronic.
- Unaffected by varying inlet pressures.



AULD®

PRESSURE CONTROL AND SAFETY VALVES

STANDFAST® REDUCING VALVE

DESIGN

The Standfast accuracy comes from a pilot valve complete with an option facility for remote sensing and the stability from placing the piston valve downstream of the main valve seat. This feature also permits the cylinder guide and piston valve to be only slightly larger than the valve seat. The resulting design is compact, with all the internals made to close tolerances, held in place by the top cover, for ease of maintenance.

Special seals, 'O' ring and valve face, have been developed to withstand hot conditions like saturated steam and cold, like water and be unaffected by chemical attack, have low coefficient of friction and still produce drop tight shut off. The complete design has been thoroughly evaluated in many site applications. Call for our Technical reference list and Technical Brochure.

SIZING

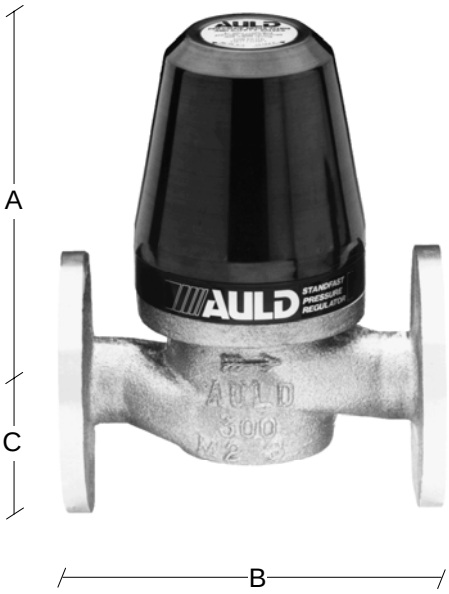
The size selection can be made quickly by Auld or alternatively call up the Standfast Technical Brochure and sizing tables or use the valve rated Cv shown in the data below. Either way will require inlet and outlet pressures, fluid and flow rate – and pipe sizes and other relevant system detail.

MATERIAL OPTIONS

REFERENCE	M1	M2	M3	M4	M5	M7
Title	Iron std	Steel std	Bronze std	Bronze N. Sea spec	Steel HP copper free	Stainless all
Applications Auld will advise	Steam, air and water seawater and many other fluids			Seawater and saline site	Ammonia chemical attack HP air	Clean rooms food industry
Body	Iron	Steel	Bronze	Bronze	Steel	Stainless
Wetted parts	Bronze, stainless and oxide protected steel (CP)			Bronze	Steel / stainless	Stainless
External parts	Steel	Steel	Steel CP	Bronze	Steel	Stainless

DATA TABLE

VALVE SIZE (mm)	15	20	25/32	40	50	65	80	100	150
Cv - full bore	2	4	7	14	25	40	50	91	185
Cv - low flow	1	2	3	8	12	20	25	45	93
A - C/L to top	165	165	165	187	187	241	241	267	330
B - Face to face (flanged & scr)	171	171	171	190	229	292	292	356	445
C - C/L to bottom	64	64	64	79	83	95	95	127	159
Finished weight (kg)	6	7	8	11	13	35	42	57	130
Ask for details of valves over 150mm.									



LIMITING FACTORS

Maximum temperature	220°C
Max. outlet pressure - Std top	12.5 bar
Max. outlet pressure - HP top	25 bar
Minimum outlet pressure	0.3 bar
Minimum pressure drop	1.5 bar
Maximum inlet pressure - cold	35 bar

AVAILABILITY

Sizes up to 150mm carried in stock with standard connections. Flanges can be drilled to other tables - or have a specially produced flange from our own in house foundry.

SPRING RANGE			
0.3 - 4 bar	Black	12.5 - 17 bar	Yellow
3.5 - 9 bar	Red	Not in iron yoke	
8 - 12.5 bar	Green	17 - 25 bar	Blue
		HP top	

FOR MORE INFORMATION

Auld Valves Ltd
Cowlairs 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

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