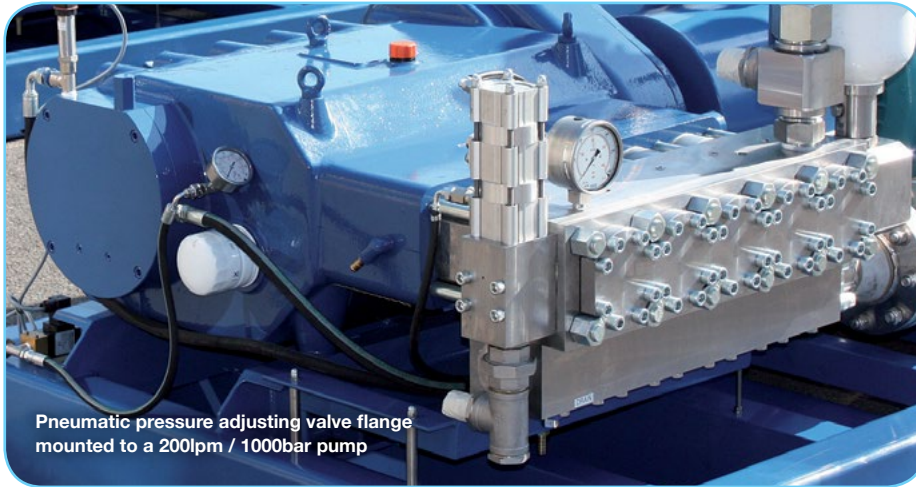


# Pneumatic Pressure Adjusting Valve



Pneumatic pressure adjusting valve flange mounted to a 200lpm / 1000bar pump

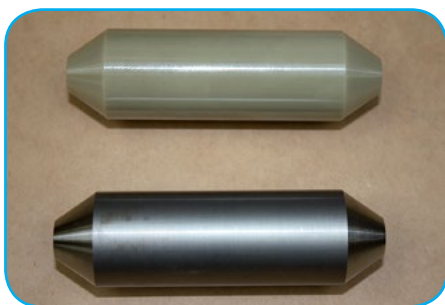
## Summary of standard valves

Part No	Stem diameter mm	Max Pressure		Max Flow	
		bar	psi	lpm	usgpm
43744-909	12	<b>1400</b>	20,000	<b>200</b>	53
43744-909/NPT	12	<b>1400</b>	20,000	<b>200</b>	53
43744-908	12	<b>600</b>	8,700	<b>130</b>	35
43742-905	22	<b>600</b>	8,700	<b>400</b>	106
43742-905/SW	22	<b>350</b>	5,000	<b>400</b>	106
43742-906	25	<b>600</b>	8,700	<b>800</b>	212
43742-906/SW	25	<b>350</b>	5,000	<b>800</b>	212

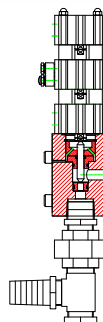
The pressure adjusting valve is a versatile device to allow full control over pump pressure & flow. It has several functions & therefore is often referred to as a dump valve or regulating valve.

With the compressed air switched off, the valve seat is fully open & by-passes pump flow at zero pressure. As compressed air pressure is increased the valve seat & stem gradually close, diverting pump flow to the high

pressure discharge line. The valve can be operated remotely, switching pump pressure on & off & adjusting pressure. This can be done with compressed air hoses up to 15m away from the valve or over any distance with electric cable. Once the desired pressure is reached, the valve can be locked where it will regulate pressure. This allows single or multiple dryshut type jetting guns to be used whilst maintaining the set pressure.



Reversible valve stem, stainless steel & ceramic options



## Features

- Provides accurate fingertip pressure adjustment & regulation.
- Instant on/off load control by switching compressed air on/off
- Flange mounts to Hughes pumpheads eliminating the need for a high pressure link hose & valve bracket
- 431 stainless steel valve bodies
- Designed to pass full flow
- Range of sizes to suit complete pump range
- Can be used on any pump
- Provides additional overpressure protection
- Reversible seat & stem for extended life
- Ceramic seats & stems available suitable for use with sea water
- All valves are tested & supplied with a test certificate
- Hydraulic damper mounted between air cylinders to provide smooth operation

## Build Options

- Available with threaded adaptor plate to allow remote mounting
- 316 stainless steel bodies & ceramic seats/stems for sea water (S/W builds)
- Simple, loose supply air controls or all integrated into a standalone control panel
- Manual actuated versions

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