



PRESSURE TECH

Company Overview



Introduction

Welcome to Pressure Tech

Established in 2000, I am proud to say that Pressure Tech is a family business with customer service and quality at the heart of our operation. Equally, we pride ourselves on having the technical know-how and professionalism typically associated with larger corporate companies.

Based in the North-West UK, our facilities house the entire process from design, manufacturing and assembly through to sales, purchasing and accounts. The Pressure Tech name is now recognised globally for manufacturing high-quality pressure regulators, and we are supported by a worldwide network of Authorised Resellers.

Steve Yorke-Robinson
Managing Director of Pressure Tech



We passionately believe that our products and all-round service represent a market-leading offering, and here's why:



EXPANDING OUR EXPERIENCE

Our team of over 45 people includes a combination of long-term employees offering extensive product experience and understanding of the applications they have been used on, with the more recent addition of employees who have added specialist knowledge in areas such as strategic business management. It is this blend that continues to add strength and value to our core business of designing and manufacturing high-quality pressure regulators.



PARTNERING WITH CUSTOMERS

Whether it's offering general advice or help finding a specific solution to an application, our close-working internal infrastructure allows us to respond to questions promptly and effectively to allow our customers to make quick decisions with confidence. Not every system is the same and sometimes 'off-the-shelf' products may not be suitable for some applications. Our sales and design teams work closely with customers to ensure products are designed to meet their exact needs.



GLOBAL REACH

Our products are used worldwide with 70% being exported for use on critical high-pressure control systems such as wellhead control panels, gas analyser systems, hyperbaric diving systems and the latest hydrogen technology. We continually listen to customer feedback to ensure product realisation is achieved. Our products are supplied to an ever-increasing customer base ranging from family businesses like our own to blue chip multinationals, meaning we offer a personal touch combined with the capacity to fulfil larger projects.

In-House Capabilities...

QUALITY

As a company we have always understood the critical importance of maintaining quality throughout our business. We constantly aspire to provide products and services that not only meet, but exceed the requirements of our customers.

It is our long-term commitment to quality that has created a 'quality culture' here at Pressure Tech. When decisions are made, be it to the design of a product, the sourcing of raw materials, or the processes under which we operate, quality and the requirements of our customers are of primary consideration.



DESIGN



We take great pride in being able to design bespoke solutions to fulfil customer requirements. This in-house service is one of the many reasons why existing customers come back to us time and again, and why, off the back of recommendations, new customers approach Pressure Tech when an off-the-shelf product just won't suffice.

MANUFACTURING



Our in-house machine shop is operated by an experienced team of machinists and is overseen by our Operations Manager. Regular investments in machinery ensure we have the capacity to maintain stock of 'standard' components for competitive lead times, and to provide the production flexibility to quickly respond to urgent customer requirements.

ASSEMBLY



Our in-house team of skilled assembly and testing engineers work closely with our design and manufacturing departments, whilst workload is strategically managed and scheduled by our Planning Manager using the latest shop-floor loading software. This strategic approach ensures customer orders are fulfilled on-time.

Product Range

ANALYSER & INSTR.



Our Analyser and Instrumentation range includes options such as gas cylinder regulators, two-stage regulators and ATEX certified (2014/34/EU) heated regulators.

HYDRAULIC



Our extensive range of piston-sensed hydraulic regulators feature precision machined sensing elements for control to 1,380 bar (20,000 psi).

LOW FLOW



Primarily for use on oxygen, carbon dioxide, natural gas, methane, ammonia, argon, nitrogen and helium. Combined sensor and spring options allow low torque adjustment.

MEDIUM FLOW



Primarily for gas service. Diaphragm sensed elements control up to 10 bar (145 psi) and piston-sensed elements covering up to 414 bar (6,000 psi). Ports 1/2" to 1".

HIGH FLOW



Diaphragm and piston-sensed with port sizes from 1/2" to 3" using threaded or flanged connections. Pressure control available up to 600 bar (8,700 psi).

BACK PRESSURE



Covering port sizes from 1/8" to 2" and controlling pressures from 0.1 bar (2 psi) to 690 bar (10,000 psi) on gas or liquid applications. Accurate and repeatable shut-off.

DIVING



Cleaned and degreased within the guidelines of ASTM G93 for equipment used in oxygen-enriched environments, and on life support or hyperbaric diving applications.

HYDROGEN



Our hydrogen range has been designed specifically for applications including refuelling stations, vehicles, drones, forklifts, and electrolyzers.

SUBSEA



Designed to operate at depths of up to 3,000m (10,000ft). Can use external seawater as a reference pressure, or can be sealed to operate at topside ambient pressures.

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ANALYSER & INSTRUMENTATION

MINI300, LF310, LF240, TS310, TS311, CYL310, CYL540, ACS101, ACS240, ACS310, ACU310, XHS410, XHS411, XHR310, XHR311, XHR310 (STEAM) and XHM410.

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HYDRAULIC

LGC690, MF414H, HYD691, LF690, DF1034 and LF691.

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LOW FLOW

LF311, LF540 and LF792.

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MEDIUM FLOW

MF101, MF230, MF231, MF210, MF301, MF400, MF401 and MF414G.

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HIGH FLOW

HF300, HF301, HF250, HF251, HF600, HF210 and HF211.

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BACK PRESSURE

BP010, BP300, BP301, BP-LF540, BP-LF690, BP-LF691, BP-MF690 (05), BP-MF690 (15), BP-MF691 (05), BP-MF400 and BP-MF401.

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DIVING

LF310, MF101D, LF540, MF301D, MF300T and BIBS100.

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HYDROGEN

LW351, CV414-SC, AUTO438, A875, H875, M875, RF1034, LW438, LW-TS414 and BP301.

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SUBSEA

SS-COM301, SS690, SS691, SS414, SS-BP400, SS231 and Electric Actuator.

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VALVES

AVC/AVO690 and AVC/AVO1034.

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BOLTED FLANGES

The Pressure Tech solution - available on all regulators.

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ORDERING INFORMATION

How to Order, Cv Formulae, What Information We Require and Notes Pages.

Analyser & Instrumentation Regulators

	MINI300 COMPACT	PISTON- SENSED	316SS THREADED BONNET	OPTIONAL ADJUSTMENT METHODS		LIGHTWEIGHT & COMPACT	
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
1/8"	0.06	Gas	210 bar (3,045 psi)	PCTFE	100 bar (1,450 psi)	Piston	Non
			300 bar (4,350 psi)	PEEK™			

	LF310 LOW-FLOW	INCONEL® X750 DIAPHRAGM	316SS THREADED BONNET	40 MICRON INLET FILTER	SOLID DISK SEAT DESIGN		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
1/4"	0.06 0.15	Gas	50 bar (725 psi)	FEP	35 bar (510 psi)	Inconel® X750 Diaphragm	Non
			300 bar (4,350 psi)	PCTFE			
			414 bar (6,000 psi)	PEEK™			

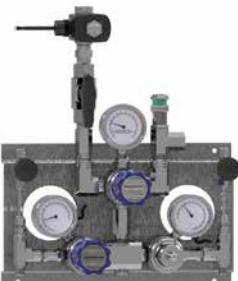
	LF240 LOW-FLOW	LARGE ELASTOMERIC DIAPHRAGM	LIGHTWEIGHT & COMPACT	LOW DECAYING PRESSURE EFFECT			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	10 bar (145 psi)	PTFE-Lined Elastomeric Diaphragm	Non
			414 bar (6,000 psi)	PEEK™			

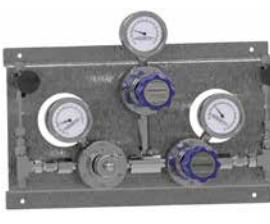
	TS310 TWO-STAGE	METAL-TO-METAL SEATING DIAPHRAGM	0.04% DECAYING PRESSURE EFFECT	'INTERSTAGE' RELIEF VALVE OPTION			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	25 bar (360 psi)	Inconel® X750 Diaphragm	Non
			414 bar (6,000 psi)	PEEK™			

	TS311 TWO-STAGE	PISTON-SENSED	0.04% DECAYING PRESSURE EFFECT	'INTERSTAGE' RELIEF VALVE OPTION	40 MICRON INLET FILTER			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT			
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	MAX OUTLET	SENSING ELEMENT	VENT OPTION
				414 bar (6,000 psi)	PEEK™	20 bar (290 psi)	Piston	Non

	CYL310 CYLINDER ASSEMBLY	CUSTOMISABLE TO SUIT APPLICATION	INCONEL® X750 DIAPHRAGM	SOLID DISK SEAT DESIGN	40 MICRON INLET FILTER			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT			
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
				414 bar (6,000 psi)	PEEK™	35 bar (510 psi)	Inconel® X750 Diaphragm	Non

	CYL540 CYLINDER ASSEMBLY	COMPACT DESIGN	PISTON-SENSED	SELF OR NON-VENTING	40 MICRON INLET FILTER			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT			
	1/4"	0.1	Gas	550 bar (7,975 psi)	PEEK™	MAX OUTLET	SENSING ELEMENT	VENTING OPTION

	ACS101 AUTO-CHANGOVER	MEDICAL / LAB APPLICATIONS	OPTIONAL SECOND-STAGE REGULATOR	STANDALONE OR WALL-MOUNTABLE				
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT			
	1/4"	0.5	Gas	300 bar (4,350 psi)	PCTFE or PEEK™	MAX OUTLET	SENSING ELEMENT	VENTING OPTION

	ACS240 AUTO-CHANGOVER	MEDICAL / LAB APPLICATIONS	~8 BAR PRESSURE CHANGEOVER	OPTIONAL SECOND-STAGE REGULATOR	STANDALONE OR WALL-MOUNTABLE			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT			
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE or PEEK™	MAX OUTLET	SENSING ELEMENT	VENTING OPTION

Analyser & Instrumentation Regulators

	ACS310 AUTO-CHANGEOVER	MEDICAL / LAB APPLICATIONS	USER-FRIENDLY DESIGN	OPTIONAL SECOND-STAGE REGULATOR	STANDALONE OR WALL-MOUNTABLE		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE or PEEK™	20 bar (290 psi)	Inconel® X750 Diaphragm

	ACU310 AUTO-CHANGEOVER	INCONEL® X750 DIAPHRAGM	USER-FRIENDLY DESIGN	SECOND-STAGE REGULATOR	0.1% DECAYING PRESSURE EFFECT		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE or PEEK™	20 bar (290 psi)	Inconel® X750 Diaphragm

 	XHS410 ELECTRIC-HEATED	ATEX & IECEX CERTIFIED	REMOTE TEMPERATURE CONTROL AND READOUT	DIGITAL READOUT	115V / 230V AC & 24V DC OPTIONS		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	35 bar (510 psi)	Inconel® X750 Diaphragm

 	XHS411 ELECTRIC-HEATED	ATEX & IECEX CERTIFIED	REMOTE TEMPERATURE CONTROL AND READOUT	DIGITAL READOUT	115V / 230V AC & 24V DC OPTIONS		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	150 bar (2,175 psi)	Piston

 	XHR310 ELECTRIC-HEATED	2 X 100W HEATER CARTRIDGES	ATEX & IECEX CERTIFIED	INCONEL® X750 DIAPHRAGM	OPTIONAL CABLE SUPPLY ENTRY POINTS		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	1/4"	0.06	Gas or Liquid	414 bar (6,000 psi)	PEEK™	35 bar (500 psi)	Inconel® X750 Diaphragm

 	XHR311 ELECTRIC-HEATED	2 X 100W HEATER CARTRIDGES	ATEX & IECEx CERTIFIED	PISTON-SENSED	OPTIONAL CABLE SUPPLY ENTRY POINTS			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4"	0.06	Gas or Liquid	414 bar (6,000 psi)	PEEK™	150 bar (2,175 psi)	Piston	Non

	XHR310 STEAM-HEATED	STEAM-HEATED DESIGN	40 MICRON INLET FILTER	INCONEL® X750 DIAPHRAGM	SOLID DISK SEAT DESIGN			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4"	0.06	Gas or Liquid	414 bar (6,000 psi)	PEEK™	35 bar (500 psi)	Inconel® X750 Diaphragm	Non

 	XHM410 HEATER MANIFOLD	ATEX & IECEx CERTIFIED	REMOTE TEMPERATURE CONTROL AND READOUT	DIGITAL READOUT	115V / 230V AC & 24V DC OPTIONS			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4"	NA	Gas or Liquid	300 bar (4,350 psi)	NA	NA	NA	NA

Hydraulic Regulators

	LGC690 LOGIC-CONTROL	40 MICRON INLET FILTER	PISTON- SENSED	SEGREGATED CAPTURED VENT	EASY ACCESS TO SEAT CARTRIDGE			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4" 3/8" 1/2"	0.3	Liquid	414 bar (6,000 psi)	PEEK™	20 bar (290 psi)	Piston	Self (captured)
	MF414H MEDIUM-FLOW	PISTON- SENSED	BALANCED DESIGN	SEGREGATED CAPTURED VENT	HIGH FLOW COEFFICIENT			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2" 3/4" 1"	2.0	Liquid	414 bar (6,000 psi)	Ceramic	414 bar (6,000 psi)	Piston	Non or Self (captured)
	HYD691 HYDRAULIC	COMPACT	CERAMIC SEAT	SEGREGATED CAPTURED VENT	MAIN VALVE CARTRIDGE DESIGN			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4" 3/8" 1/2"	0.06	Liquid	690 bar (10,000 psi)	Ceramic	690 bar (10,000 psi)	Piston	Non or Self (captured)
	LF690 LOW-FLOW	CERAMIC SEAT	FULLY SUPPORTED MAIN VALVE	SEGREGATED CAPTURED VENT	EASY ACCESS TO SEAT CARTRIDGE			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4" 3/8" 9/16" 1/2"	0.1 0.3	Liquid	690 bar (10,000 psi)	Ceramic	690 bar (10,000 psi)	Piston	Non or Self (captured)
	DF1034 DUAL-FLOW	DUAL-FLOW DESIGN	BALANCED MAIN VALVE	PISTON SENSED	EASY ACCESS TO SEAT CARTRIDGE			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	9/16" MP	1.5 (primary) 0.06 (secondary)	Liquid	1,034 bar (15,000 psi)	Ceramic or Tecasint	1,034 bar (15,000 psi)	Piston	Self (captured)

	LF691 LOW-FLOW	CERAMIC SEAT	FULLY SUPPORTED MAIN VALVE	SEGREGATED CAPTURED VENT	EASY ACCESS TO SEAT CARTRIDGE		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	3/8"	0.05	Liquid	1,380 bar (20,000 psi)	Ceramic	1,380 bar (20,000 psi)	Piston

Low Flow Regulators

	LF311 LOW-FLOW	PISTON- SENSED	316SS THREADED BONNET	40 MICRON INLET FILTER	SOLID DISK SEAT DESIGN			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4" 3/8"	0.06	Gas	300 bar (4,350 psi)	PCTFE	180 bar (2,610 psi)	Piston	Non
	LF540 LOW-FLOW	COMPACT & ECONOMICAL	PISTON- SENSED	NON- OR SELF-VENTING	PRECISION-MACHINED SENSING ELEMENT			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4" 3/8"	0.1	Gas or Liquid	690 bar (10,000 psi)	PEEK™	414 bar (6,000 psi)	Piston	Non or Self
	LF792 LOW-FLOW	ENHANCED SEAT SUPPORT	PISTON- SENSED	SEGREGATED CAPTURED VENT	EASY ACCESS TO SEAT CARTRIDGE			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4" 3/8"	0.1	Gas	1,034 bar (15,000 psi)	Tecasint®	1,034 bar (15,000 psi)	Piston	Non or Self (captured)

	MF101 MEDIUM-FLOW	LARGE PRECISION-MACHINED SENSING ELEMENT			NON-OR SELF-VENTING		LIGHTWEIGHT & COMPACT		
		PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
		1/4"	0.5	Gas or Liquid	100 bar (1,450 psi) Unbalanced	PCTFE	35 bar (510 psi) Self-Vent	Piston	Non or Self
					300 bar (4,350 psi) Balanced	PCTFE	or		
					414 bar (6,000 psi) Balanced	PEEK™	40 bar (580 psi) Non-Vent		

	MF230 MEDIUM-FLOW	LARGE SENSITIVE ELASTOMERIC DIAPHRAGM			BALANCED DESIGN		LOW DECAYING PRESSURE EFFECT		
		PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
		1/2"	1.0	Gas or Liquid	50 bar (725 psi)	PTFE	10 bar (145 psi)	Diaphragm	Non
					230 bar (3,350 psi)	PCTFE or PEEK™			

	MF231 MEDIUM-FLOW	LARGE SENSITIVE ELASTOMERIC DIAPHRAGM			BALANCED DESIGN		LOW DECAYING PRESSURE EFFECT		
		PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
		1/2"	1.0	Gas	35 bar (510 psi)	PTFE	100 bar (1,450 psi)	Piston	Non
					230 bar (3,350 psi)	PCTFE or PEEK™			

Medium-Flow Regulators

	MF210 MEDIUM-FLOW	PTFE-LINED DIAPHRAGM	NO O-RINGS	RANGE OF END CONNECTORS	LARGE HANDWHEEL			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2" 3/4" 1"	1.8	Gas	40 bar (580 psi)	PCTFE	10 bar (145 psi)	PTFE-Lined Elastomeric Diaphragm	Non
	MF301 MEDIUM-FLOW	PISTON- SENSED	BALANCED DESIGN	LOW DECAYING PRESSURE EFFECT	EASY ACCESS TO SEAT CARTRIDGE			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2" 3/4"	2.0	Gas or Liquid	300 bar (4,350 psi)	PCTFE or PEEK™	300 bar (4,350 psi)	Piston	Non or Self
	MF400 MEDIUM-FLOW	BALANCED DESIGN	OPTIONAL CONNECTION TYPES	DIAPHRAGM- SENSED	HIGH FLOW COEFFICIENT			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2" 3/4"	2.0	Gas or Liquid	400 bar (5,800 psi)	PCTFE or PEEK™	10 bar (145 psi)	Diaphragm	Non
	MF401 MEDIUM-FLOW	BALANCED DESIGN	OPTIONAL CONNECTION TYPES	PISTON- SENSED	HIGH FLOW COEFFICIENT			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2" 3/4"	2.0	Gas or Liquid	400 bar (5,800 psi)	PCTFE or PEEK™	400 bar (5,800 psi)	Piston	Non
	MF414G MEDIUM-FLOW	PISTON- SENSED	BALANCED DESIGN	SEGREGATED CAPTURED VENT	HIGH FLOW COEFFICIENT			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2" 3/4"	2.0	Gas	414 bar (6,000 psi)	PEEK™	414 bar (6,000 psi)	Piston	Non or Self (captured)

	HF300 HIGH-FLOW	BALANCED DESIGN	ELASTOMERIC DIAPHRAGM	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION	
1"	4.0	Gas Liquid	300 bar (4,350 psi)	PEEK™ Vespel®	10 bar (145 psi)	Elastomeric Diaphragm	Non	

	HF301 HIGH-FLOW	BALANCED DESIGN	PISTON-SENSED	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION	
1"	4.0	Gas Liquid	300 bar (4,350 psi)	PEEK™ Vespel®	300 bar (4,350 psi)	Piston	Non	

	HF250 HIGH-FLOW	BALANCED DESIGN	DIAPHRAGM-SENSED	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENT OPTION	
1" 1 1/2"	7.0	Gas Liquid	250 bar (3,625 psi)	PCTFE PEEK™	10 bar (145 psi)	Diaphragm	Non	

	HF251 HIGH-FLOW	BALANCED DESIGN	PISTON-SENSED	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENT OPTION	
1" 1 1/2"	7.0	Gas Liquid	250 bar (3,625 psi)	PCTFE PEEK™	200 bar (3,625 psi)	Piston	Non	

	HF600 HIGH-FLOW	BALANCED DESIGN	PISTON-SENSED	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENT OPTION	
1" 1 1/2"	7.0	Gas Liquid	600 bar (8,700 psi)	Vespel®	600 bar (8,700 psi)	Piston	Non	

High-Flow Regulators

 HF210 HIGH-FLOW	SPRING OR DOME-LOADED		DIAPHRAGM- SENSED	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	2"	13.0	Gas Liquid	210 bar (3,045 psi)	PCTFE PEEK™	10 bar (145 psi)	Diaphragm	Non

 HF211 HIGH-FLOW	PILOT-OPERATED AS STANDARD		PISTON- SENSED	HIGH FLOW COEFFICIENT	GAS OR LIQUID APPLICATIONS			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	2"	13.0	Gas Liquid	210 bar (3,045 psi)	PCTFE PEEK™	200 bar (2,900 psi)	Piston	Non

Back Pressure Regulators

	BP010 BACK PRESSURE	ELASTOMERIC DIAPHRAGM	PTFE-LINED DIAPHRAGM	BOLTED BONNET	316SS THREADED BONNET		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
	1/4"	0.1	Gas	10 bar (145 psi)	PCTFE	5 bar (75 psi)	PTFE-Lined Elastomeric Diaphragm

	BP300 BACK PRESSURE	INCONEL® X750 DIAPHRAGM	GAS OR LIQUID APPLICATIONS	LOW FLOW COEFFICIENT	LIGHTWEIGHT & COMPACT		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
	1/4"	0.1	Gas or Liquid	35 bar (510 psi)	FKM / FPM	20 bar (290 psi)	Inconel® X750 Diaphragm

	BP301 BACK PRESSURE	PISTON- SENSED	GAS OR LIQUID APPLICATIONS	CHOICE OF LOW FLOW COEFFICIENTS	LIGHTWEIGHT & COMPACT		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
	1/4"	0.1	Gas	150 bar (2,175 psi)	PCTFE	150 bar (2,175 psi)	Piston

	BP-LF540 LOW-FLOW	PISTON- SENSED	GAS OR LIQUID APPLICATIONS	LOW FLOW COEFFICIENT	OPTIONAL AIR-ACTUATOR		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
	1/4"	0.1	Gas or Liquid	550 bar (7,795 psi)	PEEK™	414 bar (6,000 psi)	Piston

	BP-LF690 LOW-FLOW	PISTON- SENSED	RANGE OF SEAT MATERIALS	LOW FLOW COEFFICIENT	OPTIONAL AIR-ACTUATOR		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
	1/4"	0.1	Gas	550 bar (7,975 psi)	PEEK™	414 bar (6,000 psi)	Piston

Back Pressure Regulators

	BP-LF691 LOW-FLOW	PISTON- SENSED	RANGE OF SEAT MATERIALS	LOW FLOW COEFFICIENT	OPTIONAL AIR-ACTUATOR		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
1/4"	0.1	Gas	1,034 bar (15,000 psi)	PEEK™	900 bar (13,050 psi)	316SS	Piston

	BP-MF690 (05) MEDIUM-FLOW	PISTON- SENSED	PRECISION-MACHINED SENSING ELEMENT	OPTIONAL AIR-ACTUATOR	OPTIONAL FLANGED CONNECTION		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
1/2"	0.5	Gas	550 bar (7,975 psi)	PEEK™	414 bar (6,000 psi)	Hastelloy	Piston

	BP-MF690 (15) MEDIUM-FLOW	PISTON- SENSED	CERAMIC SEATING	OPTIONAL AIR-ACTUATOR	FLANGED OPTION		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
3/4"	1.5	Gas	690 bar (10,000 psi)	PEEK™	300 bar (4,350 psi)	Ceramic	Piston

	BP-MF691 (05) MEDIUM-FLOW	PISTON- SENSED	PRECISION-MACHINED SENSING ELEMENT	OPTIONAL AIR-ACTUATOR	OPTIONAL FLANGED CONNECTION		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
	1/2"	0.5	Liquid	690 bar (10,000 psi)	Hastelloy®	690 bar (10,000 psi)	Piston

	BP-MF400 MEDIUM-FLOW	ELASTOMERIC DIAPHRAGM	EASY ACCESS TO SEAT CARTRIDGE	FLANGE-TYPE BONNET			
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
1/2"	3.0	Gas	10 bar (145 psi)	PCTFE	10 bar (145 psi)	Diaphragm	Diaphragm

	BP-MF401 MEDIUM-FLOW	ELASTOMERIC DIAPHRAGM	EASY ACCESS TO SEAT CARTRIDGE	FLANGE-TYPE BONNET	BALANCED DESIGN	
PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT
1/2"	3.0	Gas	400 bar (5,800 psi)	PCTFE	200 bar (2,900 psi)	Piston
		Liquid		PEEK™		

Diving Regulators

	LF310 LOW-FLOW	INCONEL® X750 DIAPHRAGM		316SS THREADED BONNET		40 MICRON INLET FILTER		SOLID DISK SEAT DESIGN	
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION	
	1/4"	0.06 0.15	Gas or Liquid	50 bar (725 psi)	FEP	35 bar (510 psi)	Inconel® X750 Diaphragm	Non	
				300 bar (4,350 psi)	PCTFE				
				414 bar (6,000 psi)	PEEK™				

	MF101D MEDIUM-FLOW	LARGE PRECISION-MACHINED SENSING ELEMENT			NON- OR SELF-VENTING		LIGHTWEIGHT & COMPACT		ASTM G93 LEVEL C
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION	
	1/4"	0.5	Gas	100 bar (1,450 psi) Unbalanced	PCTFE	35 bar (510 psi) Self-Vent or 40 bar (580 psi) Non-Vent	Piston	Non or Self	
				300 bar (4,350 psi) Balanced					

	LF540 LOW-FLOW	COMPACT & ECONOMICAL		PISTON- SENSED	NON- OR SELF-VENTING		PRECISION-MACHINED SENSING ELEMENT	
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4"	0.1	Gas or Liquid	690 bar (10,000 psi)	PEEK™	414 bar (6,000 psi)	Piston	Non or Self

	MF301D MEDIUM-FLOW	PISTON- SENSED		BALANCED DESIGN	LOW DECAYING PRESSURE EFFECT		EASY ACCESS TO SEAT CARTRIDGE	ASTM G93 LEVEL C
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2"	2.0	Gas	300 bar (4,350 psi)	PCTFE	300 bar (4,350 psi)	Piston	Non or Self

	MF300T MEDIUM-FLOW	PISTON-SENSED	TRACKING DESIGN MAINTAINS PRESSURE DIFFERENTIAL					
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/2"	2.0	Gas or Liquid	300 bar (4,350 psi)	PCTFE	25 bar (360 psi)	Piston	Self

	BIBS100 NEGATIVE BIASED	LARGE SENSITIVE ELASTOMERIC DIAPHRAGM	EASY ACCESS TO SEAT CARTRIDGE	FINE ADJUSTMENT OF BIAS SPRING				
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT	
	3/4"	2.0	Gas	50 bar (725 psi)	PCTFE	30 bar (435 psi)	Elastomeric Diaphragm	

Hydrogen Regulators

	LW351 H2 DRONES	LIGHTWEIGHT & COMPACT PISTON-SENSED 0.15% DECAYING PRESSURE EFFECT WIDE RANGE OF CONNECTION OPTIONS						
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4"	0.06	Gas	350 bar (5,075 psi)	Devlon X100	3 bar (45 psi)	Piston	Non

 TPED APPROVED	CV414-SC CYLINDER VALVE	EASY DISCONNECT CONTINUAL GAS SUPPLY QUICK & EASY FILLING LIGHTWEIGHT & COMPACT						
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	TYPE	APPROVAL	
	5/8" UNF M18	0.06	Gas	350 bar (5,075 psi)	PCTFE	Self-Closing	TPED	-

 DESIGNED TO EC79 STANDARDS	AUTO438 H2 BUSES & TRUCKS	EASY ACCESS TO SEAT CARTRIDGE IN-LINE VENT PORT BALANCED DESIGN						
	PORT SIZE	CV	SERVICE	MAX INLET	MAX OUTLET	SENSING ELEMENT	VENTING OPTION	APPROVAL
	1/4", 3/8", 1/2" SAE 3 / 4 / 6 / 8	0.25	Gas	438 bar (6,350 psi)	20 bar (290 psi)	Piston	Non	-

	A875 H2 VEHICLES	ELECTRONIC VALVES INTEGRATED PRV BALANCED MAIN VALVE INTEGRATED FILTRATION						
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	HSL
	SAE & MP options	0.35 or 0.5	Gas	875 bar (12,690 psi)	Acetal (POM)	30 bar (435 psi)	Piston	H35 or H70

	H875 H2 VEHICLES	TWO-STAGE REGULATOR LIGHTWEIGHT & COMPACT DESIGN SUPERIOR PRESSURE CONTROL DUAL STAGE FILTRATION						
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	HSL
	NPT, SAE & MP options	0.5	Gas	875 bar (12,690 psi)	Vespel®	100 bar (1,450 psi)	Piston	H35 or H70

	M875 H2 MOBILITY	MODULAR DESIGN	COMPACT DESIGN	BALANCED MAIN VALVE	INTEGRATED FILTRATION			
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	HSL
	SAE & MP options	0.35 or 0.5	Gas	875 bar (12,690 psi)	Acetal (POM)	60 bar (900 psi)	Piston	H35 or H70

	RF1034 H2 REFUELING	HIGH FLOW	DESIGNED TO ISO 19880-3	PISTON-SENSED	VARIOUS ACTUATOR OPTIONS			
	PORT SIZE	CV	SERVICE	SEAT	MAX INLET	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	3/8" MP / HP 9/16" MP / HP	0.5 or 1.0	Gas	Tecasint® 2011	1,034 bar (15,000 psi)	1,034 bar (15,000 psi)	Piston	Non or Self (Captured)

	LW438 H2 MATERIAL HANDLING	LIGHTWEIGHT DESIGN	PISTON-SENSED	BALANCED DESIGN				
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	SAE-4	0.06	Gas	438 bar (6,350 psi)	Acetal (POM)	20 bar (290 psi)	Piston	Non

	LW-TS414 H2 LIGHTWEIGHT MOBILITY	TWO-STAGE DESIGN	0.04% DECAYING PRESSURE EFFECT	SOLID DISK SEAT DESIGN	LIGHTWEIGHT DESIGN			
	PORT SIZE	CV	SERVICE	MAX INLET	1ST STAGE SEAT	MAX OUTLET	SENSING ELEMENT	VENTING OPTION
	1/4"	0.06	Gas	300 bar (4,350 psi)	PCTFE	1 bar (14.5 psi)	Piston	Non
				414 bar (6,000 psi)	PEEK™			

	BP301 H2 ENERGY PRODUCTION	PISTON-SENSED	STABLE CONTROL	LIGHTWEIGHT & COMPACT	ADDITIONAL BACK PRESSURE REGULATORS AVAILABLE			
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	CONTROL RANGE	SENSING ELEMENT	
	1/4"	0.1	Gas or Liquid	150 bar (2,175 psi)	PCTFE	150 bar (2,175 psi)	Piston	

Subsea Regulators

	SS-COM301 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	PRESSURE REDUCTION PLUS BACK PRESSURE CONTROL		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	1/4"	0.5	Gas	300 bar (4,350 psi)	PCTFE	50 bar (725 psi)	Piston

	SS690 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	3/8"	0.1	Liquid	690 bar (10,000 psi)	Ceramic	690 bar (10,000 psi)	Piston

	SS691 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	3/8"	0.1	Liquid	1,034 bar (15,000 psi)	Ceramic	690 bar (10,000 psi)	Piston

	SS792 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	3/8"	0.3	Liquid	690 bar (10,000 psi)	Tecasint®	690 bar (10,000 psi)	Piston

	SS414 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	3/8"	2.0	Gas Liquid	414 bar (6,000 psi)	PEEK™ Ceramic	250 bar (3,625 psi)	Piston

	SS-BP400 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	SENSING ELEMENT	VENTING OPTION
	1/2"	2.0	Gas	10 bar (145 psi)	PCTFE	Piston	Non

	SS-BPLF690 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX RATING	SEAT	SENSING ELEMENT	VENTING OPTION
	9/16"	0.1	Liquid	550 bar (7,975 psi)	Ceramic	Piston	Non

	SS231 SUBSEA	SUITABLE FOR DEEP WATERS	ANTI-TAMPER LOCKING CAP	MP35N SPRING	OPTIONAL REMOTE OPERATION		
	PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	SENSING ELEMENT
	3/4"	1.0	Gas	230 bar (3,335 psi)	PCTFE	35 bar (510 psi)	Piston



ELECTRIC ACTUATOR FOR REMOTE CONTROL

For applications that are difficult to obtain access to, such as those in subsea environments, we also offer an optional compact electric actuator for remote regulator control.

Capable of operating at depths of up to 3,000m or 10,000ft, and at temperatures ranging from -20°C to 65°C (-4°F to 149°F), our remote solution features a fully closed loop servo motion system for precision control.

ASK FOR DETAILS

Valves

	AVC/ AVO690 ACTUATED VALVE	HIGH FLOW	FAIL SAFE OPERATION	SOLENOID VALVE OPTION	LOW ACTUATION PRESSURE	
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	FAIL SAFE OPERATION
1/4"	0.8	Gas or Liquid	690 bar (10,000 psi)	PEEK™	690 bar (10,000 psi)	Normally Open or Closed

	AVC/ AVO1034 ACTUATED VALVE	HIGH FLOW	FAIL SAFE OPERATION	SOLENOID VALVE OPTION	LOW ACTUATION PRESSURE	
PORT SIZE	CV	SERVICE	MAX INLET	SEAT	MAX OUTLET	FAIL SAFE OPERATION
1/4"	0.8	Gas or Liquid	1,034 bar (15,000 psi)	PEEK™	1,034 bar (15,000 psi)	Normally Open or Closed

Bolted Flanges...

In addition to NPT, BSPP and medium pressure fittings, we also offer flanged connections on our full range of Pressure Tech regulators. Flanges offer easy maintenance, repair and inspection, and are typically used on Chemical Injection and Produced Water Systems.

Traditionally our flanged connections have been supplied welded, but this is a time consuming process. Every order including a welded flange required a full design overview to ensure the correct weld ends were selected for each application.

Our Engineering team worked to provide an alternative solution. Our bolted flange concept is based on three standard modular designs to cover up to class 4500, and created to accommodate any of our pressure regulators. These are:

RANGE	CLASSES			PRESSURE RATING
Up to Class 600	150	300	600	Up to 99.3 bar
Up to Class 2500	900	1500	2500	Up to 413.7 bar
Up to Class 4500	4500	-	-	Up to 744.6 bar

MODULAR DESIGN



Our bolted flange concept is based on three standard modular designs to cover up to class 4500.

This allows us to offer bolted flange connections onto any pressure regulator within our product range.

STANDARDS



The bolted design for flange connections conforms to a range of standards including:

- ASME 16.5
- API
- DIN
- Grayloc

TIME SAVING



Time savings include:

- No requirement for subcontract welding
- Only need to programme three body set-ups, reducing machine set-up times
- Straightforward assembly

Ordering

Get in Touch...

To make it as convenient as possible to make an enquiry or place an order, there are 3 different options to choose from:

DIRECT

Should you need any assistance, whether this is relating to a new enquiry, existing order or technical assistance, our Pressure Tech sales team will gladly assist. They are available Monday to Thursday from 08:30 to 17:00, and Friday from 08:30 to 13:00.

+44 (0)1457 899 307
sales@pressure-tech.com

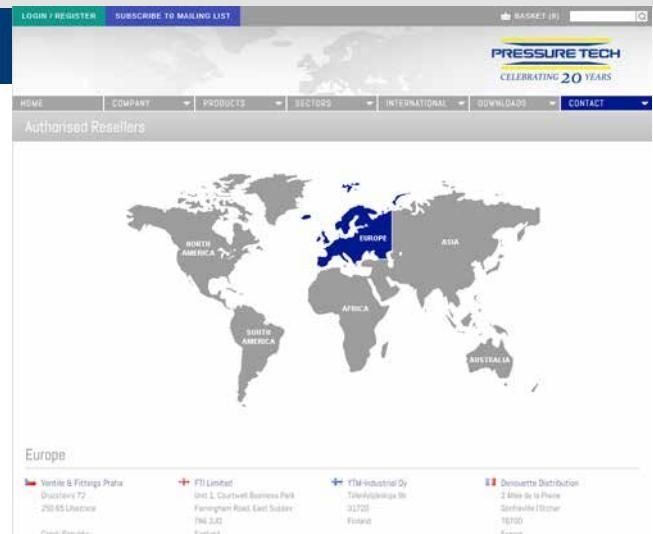


AUTHORISED RESELLERS

We understand that it is sometimes more convenient to work with a local contact. To support our customers across the globe, we have a knowledgeable network of Pressure Tech 'Authorised Resellers'.

Please visit the Pressure Tech website and navigate to our 'Authorised Resellers' page to find the contact details of your nearest Pressure Tech reseller.

www.pressure-tech.com



Authorised Resellers

Europe

Country	Contact Information
Czech Republic	Ventile & Fittings Praha Dražecova 72 290 85 Unhošť
UK	PTI Limited Unit 1, Courtwell Business Park Fareham Road, East Sutton ME3 3JG England
Finland	The Industrial Oy Toiviojaanpuisto 8b 02720 Finland
France	Doucette Distribution 2 Allée de la Prairie Giverny 76100 France

ONLINE

If you would like to request a quote online, please visit the Pressure Tech website and submit a quote request form. Our sales team will reply as soon as possible.

www.pressure-tech.com



Hydraulic Regulators

LF690

Low Flow Hydraulic Pressure Regulator: Liquid / Piston / Ceramic Seat / Self- or Non-Venting / Max. Inlet: 690 bar (10,000 psi) / Max. Outlet: 690 bar (10,000 psi) / Cv 0.05, 0.1 or 0.3

Basic Model	Cv Value
LF680	0.1

Body Material	Outlet Range
316SS	Up to 60 bar (725 psi)

Oring	Inlet / Outlet Connections
EPDM	1/4" Medium Thread

Cv Formulae...

The Cv or flow capacity of a regulator is the maximum flow capability of a regulator (i.e. when the regulator is fully open) under a specific set of conditions. The Cv calculation varies based on the media used in your application.

Please refer to the relevant formula below to calculate the Cv for your application:

For Liquids (e.g. Water, Oil etc)		
FORMULA	KEY	NOTES
$C_v = Q \sqrt{\frac{S}{\Delta P}}$	<p>Cv: Valve flow coefficient (US GPM with P=1 psi)</p> <p>Q: Fluid flow (US GPM)</p> <p>S: Specific gravity of fluid</p> <p>ΔP: P1 - P2 at maximum flow (psi)</p>	<p>Specific gravity correction is negligible for water below 93°C (200°F) - use S=1.0.</p> <p>Use actual specific gravity of other liquids at actual flow temperature.</p>
$C_v = K_1 Q \sqrt{\frac{S}{\Delta P}}$	<p>Cv: Valve flow coefficient (US GPM with P=1 psi)</p> <p>K1: Viscosity correction factor for fluids</p> <p>Q: Fluid flow (US GPM)</p> <p>S: Specific gravity of fluid</p> <p>ΔP: P1 - P2 at maximum flow (psi)</p>	<p>Use this formula for fluids with viscosity correction factor.</p> <p>Use actual specific gravity of other liquids at actual flow temperature.</p>

For Gases (e.g. Air, Natural Gas, Propane, etc)		
FORMULA	KEY	NOTES
$C_v = \frac{Q_a \sqrt{G(T + 460)}}{1360 \sqrt{\Delta P(P_2)}}$	<p>Cv: Valve flow coefficient (US GPM with P=1 psi)</p> <p>Qa: Air or gas flow (SCFH) at 14.7 psi and 60°F</p> <p>G: Specific gravity of gas relative to air at 14.7 psi and 60°F</p> <p>T: Flow air or gas temperature (°F)</p> <p>ΔP: P1 - P2 at maximum flow (psi)</p> <p>P2: Outlet pressure at maximum flow (psi abs.)</p>	<p>Use this formula when P2 is <i>greater than</i> 50% of P1.</p>
$C_v = \frac{Q_a \sqrt{G(T + 460)}}{660 P_1}$	<p>Cv: Valve flow coefficient (US GPM with P=1 psi)</p> <p>Qa: Air or gas flow (SCFH) at 14.7 psi and 60°F</p> <p>G: Specific gravity of gas relative to air at 14.7 psi and 60°F</p> <p>T: Flow air or gas temperature (°F)</p> <p>P1: Inlet pressure at maximum flow (psi abs.)</p>	<p>Use this formula when P2 is <i>less than or equal to</i> 50% of P1.</p>

Information Required...

Should you need assistance with product selection, please provide the following information about your application:

01	Inlet Pressure	06	Temperature
02	Outlet Pressure	07	Non-Venting or Self-Venting
03	Required Accuracy	08	Connection Type and Size
04	Cv or Flow Rate	09	Porting Configuration
05	Media	10	Materials of Construction

Please note:

Pressure Tech supports with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.

Frequently Asked Questions...

What is your VAT number?

GB 776 740 883.

How do I check my order status?

Please send an email to expediting@pressure-tech.com with your order details. You will then receive an update on the current status of your order.

How do I find my nearest Authorised Reseller?

Please visit the 'Contact' section of our website, navigate to the 'Authorised Resellers' page and then click on the world map to select your region. You will see the contact details of all Authorised Resellers within that region.

How do I apply for a credit account?

Please visit the 'Customer Resources' section of our website, download and complete our 'Trade Credit Account' application form and then email to accounts@pressure-tech.com.

What currencies do you accept?

We accept GBP (£), EUR (€), CAN (\$) and USD (\$).



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DESIGNED, MANUFACTURED AND BUILT IN THE UK

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