**AUTO-CHANGEOVER UNIT** 



• Gas Liquid

Diaphragm

Piston

Self-Venting

Non-Venting

Max Inlet: 300 bar (4,350 psi)

Max Outlet: 20 bar (290 psi)

Cv 0.06



#### **INTRODUCING THE ACU310...**

The ACU310 incorporates two diaphragm-sensed regulators into a single body to create a compact autochangeover unit. The automatic operation allows a continual supply of pressure between two gas bottles, and the second-stage regulator ensures consistent pressure control under varying inlet pressure changes.

Check valves are fitted to prevent gas from escaping whilst bottles are replaced.

The ACU310 incorporates the LF310 regulator with a solid disk type main valve assembly - further details may be found on the LF310 datasheet.

#### **SPECIFICATION**

Max. Rated Inlet Pressure	300 bar (4,350 psi)
Outlet Ranges	Up to 20 bar (290 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	3.6kg (7.9lbs)

<sup>\*</sup> Pressure regulator rating may be limited by connection type, Cv and/or seat material

#### STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316/316L Stainless Steel
	(UNS S31600/S31603)
Main Valve Pin	AISI 316/316L Stainless Steel
	(UNS S31600/S31603)
Soft Seat	PCTFE/PEEKTM**
Valve Spring	Inconel® X750
Diaphragm	Inconel® X750
Handwheel	Nylon
O-Rings	FKM/FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

<sup>\*\*</sup> PEEK™ seat only available if ACU310 is supplied as standalone unit

#### **FEATURES AND BENEFITS**

1 INCONEL® X750 DIAPHRAGM

For ultimate strength and reliability.

2 USER FRIENDLY DESIGN

Simple half turn operation with easy-to-read indication. SECOND STAGE REGULATOR

> To prevent fluctuations in supply pressure.

0.01% DECAYING PRESSURE EFFECT

> Stable outlet pressure under varying inlet conditions.

Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements





### PRESSURE TECH LTD

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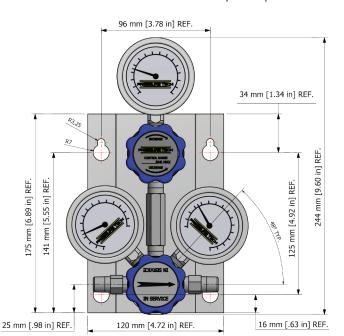
Max Inlet: 300 bar (4,350 psi)

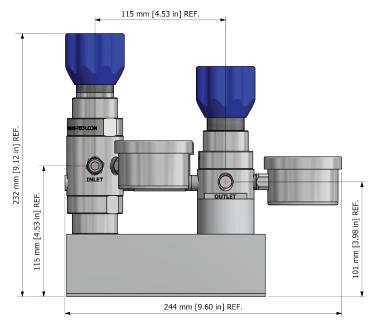
Max Outlet: 20 bar (290 psi)

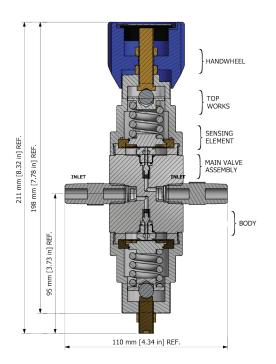
Cv 0.06

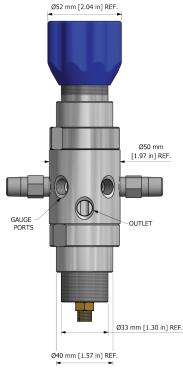
#### **DRAWINGS AND INSTALLATION DIMENSIONS**

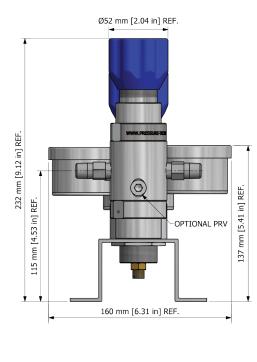
Dimensions shown for 1/4" NPT option - please contact the office for additional connections options.











All gauge ports are 1/4" NPT as standard.

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### **FLOW CURVE**

Please contact the office for further information.

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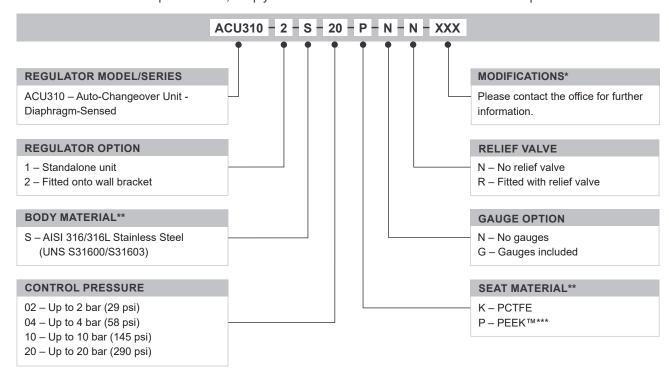
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Cv 0.06

#### ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



OPTIONAL EXTRAS	3	
	PART NUMBER	DESCRIPTION
Service Kit	SRK-ACU310	Various options available
Panel Mount Ring	PT-C-061-005	-
Note: Ancillary equipment	also available	

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International PEEK™ is a trademark of Victrex PLC

- \*\* Other materials/connections may be available please contact the office
- \*\*\* PEEK™ seat only available if ACU310 is supplied as standalone unit

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