

# ACS310 Datasheet

AUTO-CHANGEOVER SYSTEM



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 ACS310...

The ACS310 auto-changeover system provides a continual supply of gas, ideal for applications such as in medical or laboratory processes where a continual supply of gas is essential.

Upon depletion of one bank, the other automatically cuts in. A quick switch of the lever ensures the supply is reset to its original value. An optional second stage regulator prevents fluctuations in supply pressure.

The ACS310 incorporates the LF310 regulator with a solid disk type main valve assembly - further details may be found on the LF310 datasheet.

## 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
Valve Spring	Inconel® X750
Diaphragm	Inconel® X750
Handwheel	Nylon
O-Rings	FKM/FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

## 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	7.2kg (15.8lbs)

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

## FEATURES AND BENEFITS

### 1 IDEAL FOR MEDICAL OR LABORATORY APPLICATIONS

Ensures a constant supply of gas.

### 2 USER-FRIENDLY DESIGN

Easy to read pressure indication of bottles in-service.

### 3 OPTIONAL SECOND STAGE REGULATOR

To prevent fluctuations in supply pressure.

### 4 STAND-ALONE OR WALL-MOUNTABLE

To suit customer's application requirements.

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.



DESIGNED AND BUILT IN THE UK

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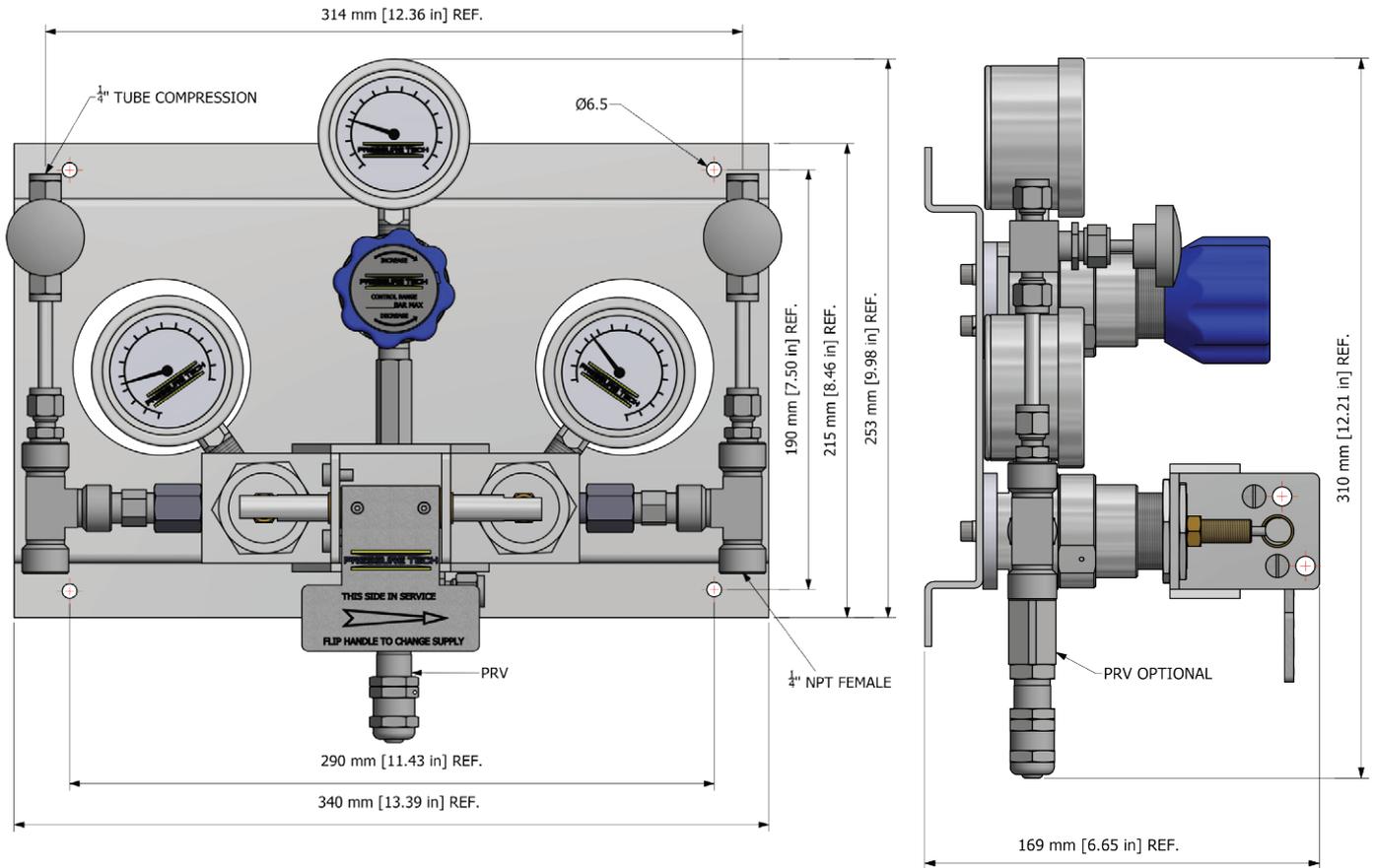
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## DRAWINGS AND INSTALLATION DIMENSIONS



**Note:**  
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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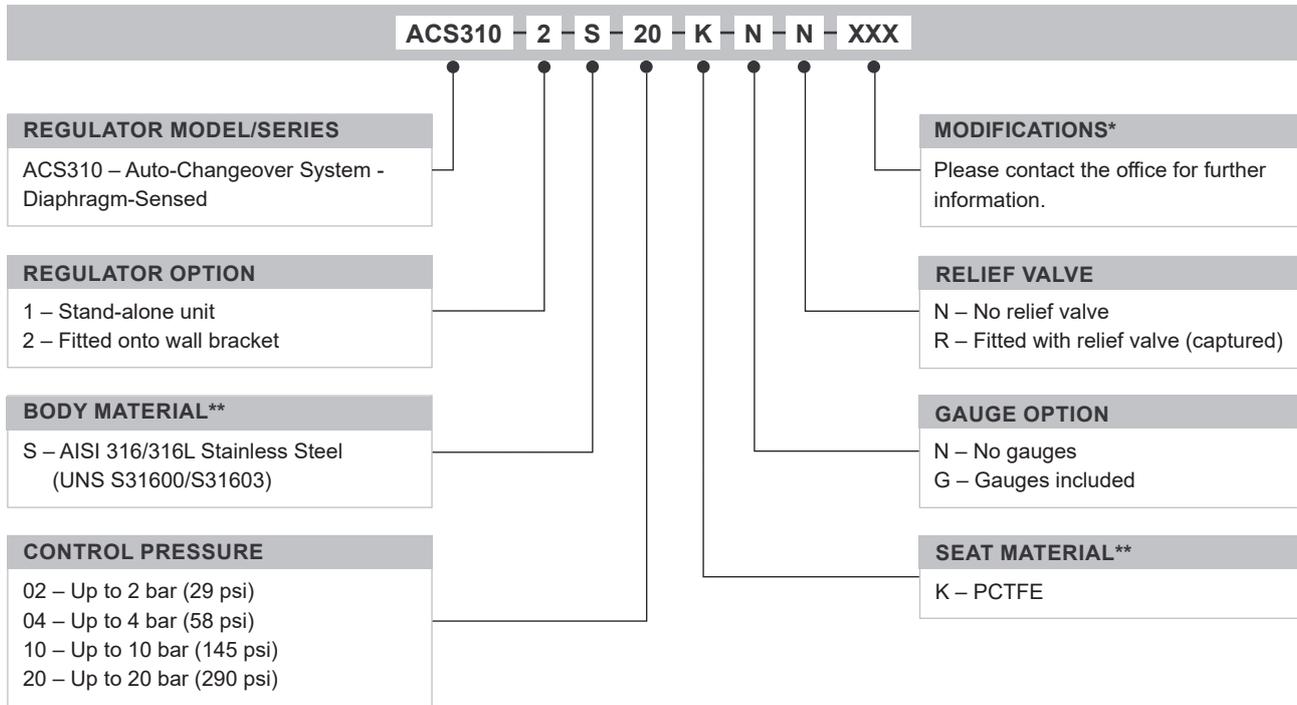
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## ORDERING INFORMATION

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



## OPTIONAL EXTRAS

	PART NUMBER	DESCRIPTION
Service Kit	SRK-ACS310...	Various options available

*Note:*  
Ancillary equipment also available

**TRADEMARKS:** Inconel® is a registered trademark of Inco Alloys International

\* Where applicable

\*\* Other materials/connections may be available - please contact the office

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