

IntroFlo

Gas Regulator

MODEL: IM-S-WAFER

High performance, gas pressure regulator



PRODUCT OVERVIEW

IntroFlo's IM-S Series of pilot-operated gas regulators provide optimal performance with an axial flow design for process gases.

The wafer-type body fits between PN10-PN100 and ANSI Class 150-600 flanges. The patented, compact construction is significantly lighter than the alternatives. It's easier to procure, install, and maintain throughout its operational life.

BENEFITS AND FEATURES

- Low installation and maintenance costs:
 - Small installation footprint for new and retrofit applications.
 - Compatible face-to-face length with competitor wafer valves.
 - Piston actuated - no diaphragm.
 - Corrosion resistance with minimal threaded fittings.
- High performance and durability:
 - Accurate pressure control, fast response and reliable tight shut off.
 - No fragile diaphragm in main flow path.
- Full 316L valve internals, class leading hydrogen compatibility.

APPLICATIONS

Max. inlet pressure	100 bar
Max. outlet pressure	99 bar
Leakage	EN 60534-4:CLASS VI
Lock-up class	EN 334:SG 5
Accuracy class	EN 334:AC 1 ²
Temperature	-40 to+120°C
Ports	BSPT/NPT

The machined 316L body and internals are ideally suited for gas transmission and distribution applications with natural gas, hydrogen, air and other process gases.

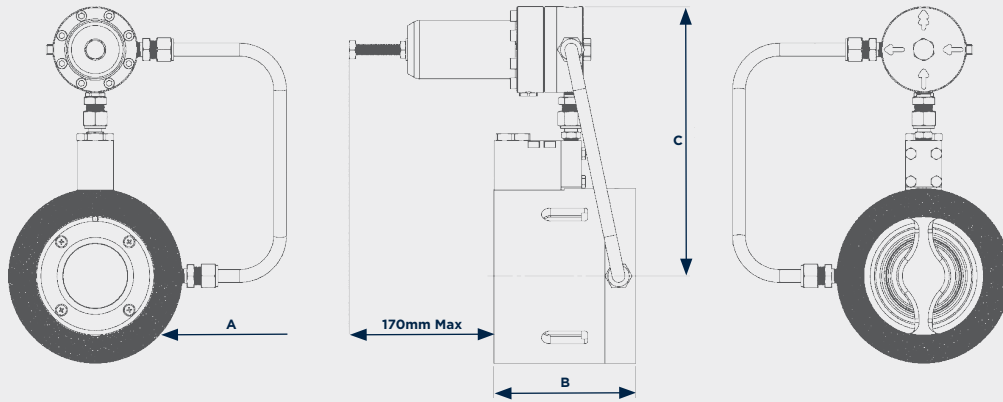
¹Accuracy depends on set pressure and pilot valve.

²Not for use as a safety device.

PERFORMANCE AND SIZING

IM-S SERIES	C _v	C _g	K _v	K _g
2"/DN050S	42	1177	36	1238
2"/DN050	42	1177	36	1238
3"/DN080	101	2749	88	2891
4"/DN100	161	4451	140	4682
6"/DN150	320	9036	277	9506
8"/DN200	483	14106	418	14745

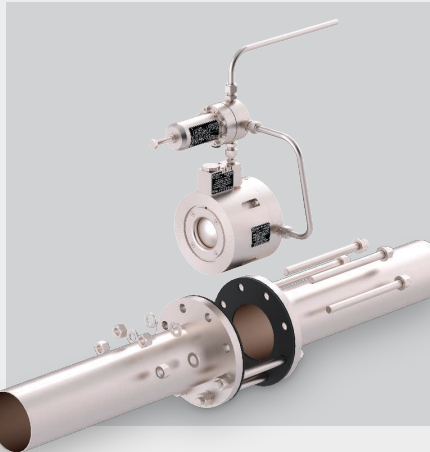
IM-S Series Regulators are available in sizes from DN050-DN200 (2"-8"), as above.



KEY DIMENSIONS (mm/in)

NOMINAL DIAMETER	DIAMETER (A)	LENGTH (B)	HEIGHT (C)	WEIGHT (kg/lb)
2"/DN050S	105mm/4.1"	77mm/3.0"	268mm/10.5"	8.2kg/18lb
2"/DN050	105mm/4.1"	86.5mm/3.4"	222mm/8.7"	7.9kg/17lb
3"/DN080	136.5mm/5.4"	104mm/4.1"	240mm/9.4"	12kg/26lb
4"/DN100	163mm/6.4"	133mm/5.2"	255mm/10.0"	18.2kg/40lb
6"/DN150	218mm/8.6"	175mm/6.9"	280mm/11.0"	36kg/79lb
8"/DN200	274mm/10.8"	205mm/8.1"	310mm/12.2"	68kg/145lb

SIMPLE INSTALLATION



CONSTRUCTION MATERIALS

COMPONENTS	MATERIALS
Body and actuator	Stainless steel 316L
Seals and soft parts	NBR, PTFE*
Pilot	Stainless steel 316L (in gas contact) Aluminium 6082-T6
Trim and fittings	Stainless steel 316/316L

*Alternative materials available on request.



Reimagining valve technology together:



DISCLAIMER
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Armytage Road
 Brighthouse
 United Kingdom
 HD6 1QF

E introflo@kentintrol.com
 W www.kentintrol.com