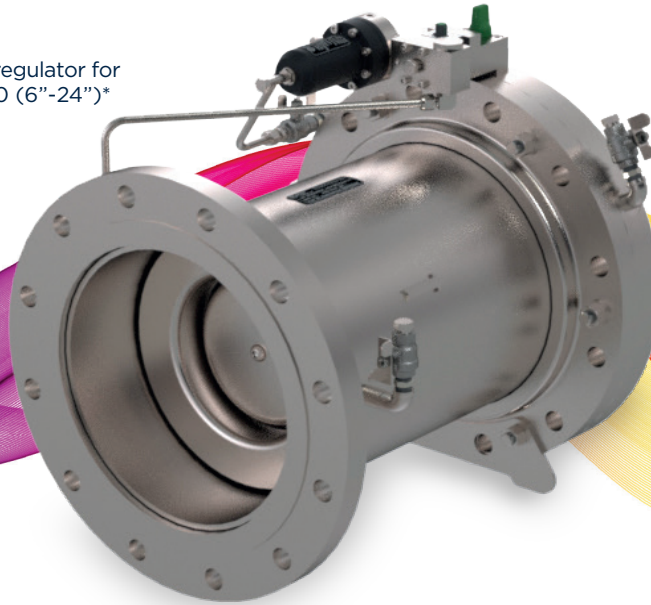


IntroFlo

Liquid Regulator

MODEL: IP-X

Flanged, axial flow type pressure regulator for water applications DN150-DN600 (6"-24")*



PRODUCT OVERVIEW

IntroFlo's IP-X Series of pilot-controlled axial flow pressure regulators are designed for water applications in a range of configurations including pressure reducing, sustaining, sustaining/relief and tank level control. The axial flow design replaces the large main diaphragm with a piston-sensed mechanism which maximises reliability and minimises maintenance.

Available with PN10-25 or ANSI #150 flanges constructed from stainless steel*, the IP-X Series offers pilot-controlled accuracy and can be integrated with intelligent actuated systems and smart networks to calm pressures and reduce leakage.

FEATURES AND BENEFITS

- Market leading minimum head-loss performance.
- Low installation and maintenance costs.
- Compact installation footprint.
- Piston sensed – no diaphragm.
- Robust and reliable.
- Blockage resistant flow path – axial flow 1-100% flow capacity.
- Accurate pressure and flow control.

APPLICATIONS

Max. inlet pressure	22 bar/319 psi
Outlet pressure range	0.2 bar to 22 bar/3psi to 319 psi
Temperature range	-20°C to 120°C/-4°F to 248°F
Min. head-loss	0.2 bar/3 psi ²
Leakage class	EN 12266-1 Class A

Use with confidence for potable and non-potable water applications across critical industries and national infrastructure.

¹ Process fluid dependent.

² Minimum head-loss values vary with valve size.

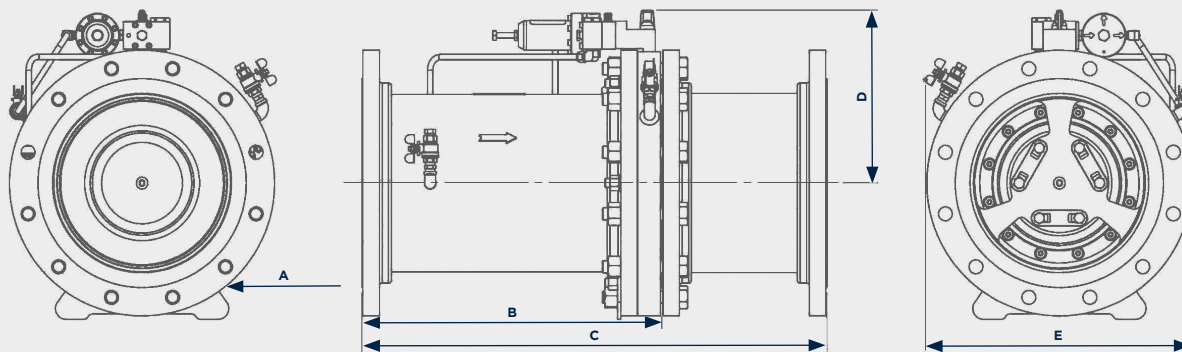
PERFORMANCE AND SIZING

IP-X SERIES	C _v	K _v
6"/DN150	392	339
8"/DN200	603	520
10"/DN250	1027	889
12"/DN300	1454	1258
14"/DN350	1772	1533
16"/DN400	2284	1974
18"/DN450	2667	2307
20"/DN500	3752	3235
24"/DN600	5117	4426

The IP-X Series pressure regulators are available in sizes ranging from DN150 to DN600 with the above flow capacities.

All sizes offered in the following flange classes: PN10, PN16, PN25 and ANSI #150.

*Other sizes and construction materials can be made available on request, contact IntroFlo for more details.



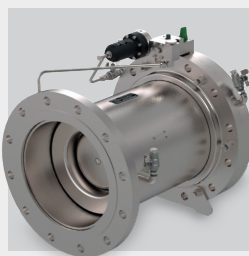
KEY DIMENSIONS (mm/in)

NOMINAL DIAMETER (A)	LENGTH (B)	LENGTH (C)	HEIGHT (D)	WIDTH (E)	WEIGHT ²
6"/DN150	280mm/11"	480mm/18.9"	290mm/11.4"	450mm/17.7"	54kg/119lb
8"/DN200	300mm/11.8"	600mm/23.6"	300mm/11.8"	465mm/18.3"	86kg/190lb
10"/DN250	443mm/17.4"	730mm/29.8"	309mm/12.2"	460mm/18.1"	147kg/324lb
12"/DN300	548mm/21.6"	850mm/33.5"	336mm/13.2"	513mm/20.2"	226kg/498lb
14"/DN350	600mm/23.6"	980mm/38.6"	366mm/14.4"	600mm/23.6"	322kg/710lb
16"/DN400	500mm/19.7"	1100mm/43.3"	376mm/14.8"	620mm/24.4"	383kg/844lb
18"/DN450	605mm/23.8"	1200mm/47.2"	395.5mm/15.6"	670mm/26.4"	410kg/904lb
20"/DN500	660mm/26"	1250mm/49.2"	430mm/16.9"	730mm/28.7"	450kg/992lb
24"/DN600	755mm/29.7"	1450mm/57"	478mm/18.8"	845mm/33.3"	920kg/2028lb

The combination of valve body and spool can come in different dimensions, please contact IntroFlo for more information.

²Compact version including control system.

VALVE BODY CONSTRUCTION AND FACE-TO-FACE OPTIONS



Compact, stainless steel body



Standard length, stainless steel body

CONSTRUCTION MATERIALS

COMPONENTS	MATERIALS
Body	Stainless steel 316L
Actuator	Stainless steel 316/316L
Seat material*	WRAS, NSF approved EPDM and stainless steel 316
Trim and fittings	Stainless steel 316
'O' ring seals	WRAS, NSF approved EPDM
Pilot materials	Acetal resin (WRAS, NSF) and stainless steel 316 ³

*Alternative materials available on request.

³Pilot materials depend on temperature range.



Reimagining valve technology together:

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