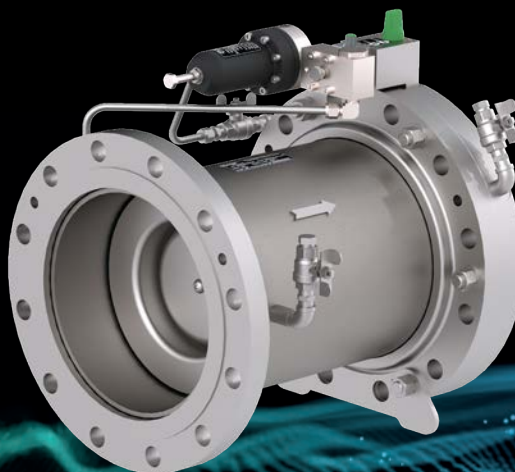


OXFORD FLOW LIQUID REGULATOR

MODEL: IP-X

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



PRODUCT OVERVIEW

The Oxford Flow IP-X Series is a unique, patented range of pilot-controlled axial flow pressure regulators developed specifically for water applications in a range of configurations, including pressure reducing, sustaining, sustaining/relief and tank level control.

The IP-X Series valves are available with PN10-25 or ANSI #150 flanges constructed from stainless steel*.

The axial flow design eliminates the requirement for a large main diaphragm and instead uses a piston sensed mechanism which maximises reliability and reduces maintenance costs.

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.

APPLICATIONS

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

Max. Inlet Pressure	319 psi
Outlet pressure range	3 psi to 319 psi
Temperature range ¹	-4°F to 248°F
Min. Head-loss	3 psi ²
Leakage class	EN 12266-1 Class A

¹Process fluid dependent.

²Minimum head-loss values vary with valve size.

BENEFITS & FEATURES

- 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

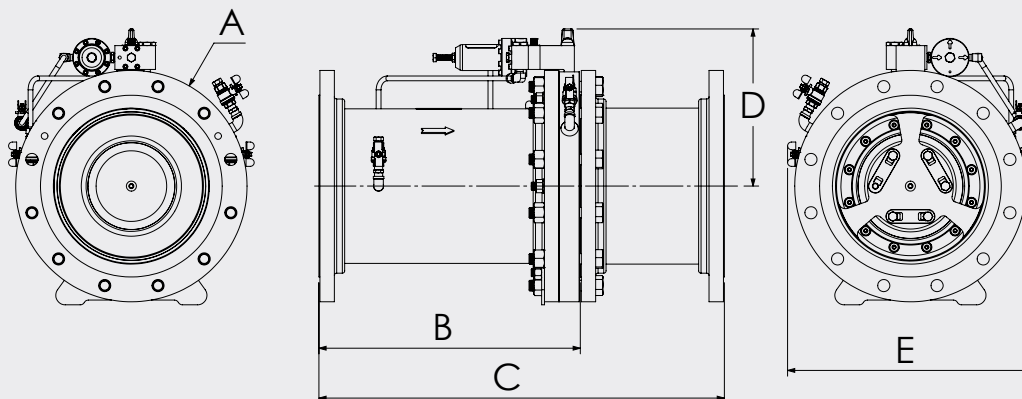
PERFORMANCE & SIZING

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

IP-X Series	C _v	K _v
6"	392	339
8"	603	520
10"	1027	889
12"	1454	1258
14"	1772	1533
16"	2284	1974
18"	2667	2307
20"	3752	3235
24"	5117	4426

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 Oxford Flow for more details.



KEY DIMENSIONS (INCHES)

Nominal Diameter (A)	Length (B)	Length (C)	Height (D)	Width (E)	Weight ²
6"	11"	18.9"	11.4"	17.7"	119 lbs
8"	11.8"	23.6"	11.8"	18.3"	190 lbs
10"	17.4"	29.8"	12.2"	18.1"	324 lbs
12"	21.6"	33.5"	13.2"	20.2"	498 lbs
14"	23.6"	38.6"	14.4"	23.6"	710 lbs
16"	19.7"	43.3"	14.8"	24.4"	844 lbs
18"	23.8"	47.2"	15.6"	26.4"	904 lbs
20"	26"	49.2"	16.9"	28.7"	992 lbs
24"	29.7"	57"	18.8"	33.3"	2028 lbs

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

² Compact version including control system.

VALVE BODY CONSTRUCTION AND FACE-TO-FACE OPTIONS



STANDARD 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.

³ Pilot materials depend on temperature range.

DISCLAIMER. Details of products may vary. Oxford Flow does not guarantee or warrant the availability of the models described in this Product Bulletin or the accuracy or completeness of the details provided. The contents of this Product Bulletin shall not form the basis of any contract or representation. Please refer to the relevant Product Data Sheet for technical details of our products.