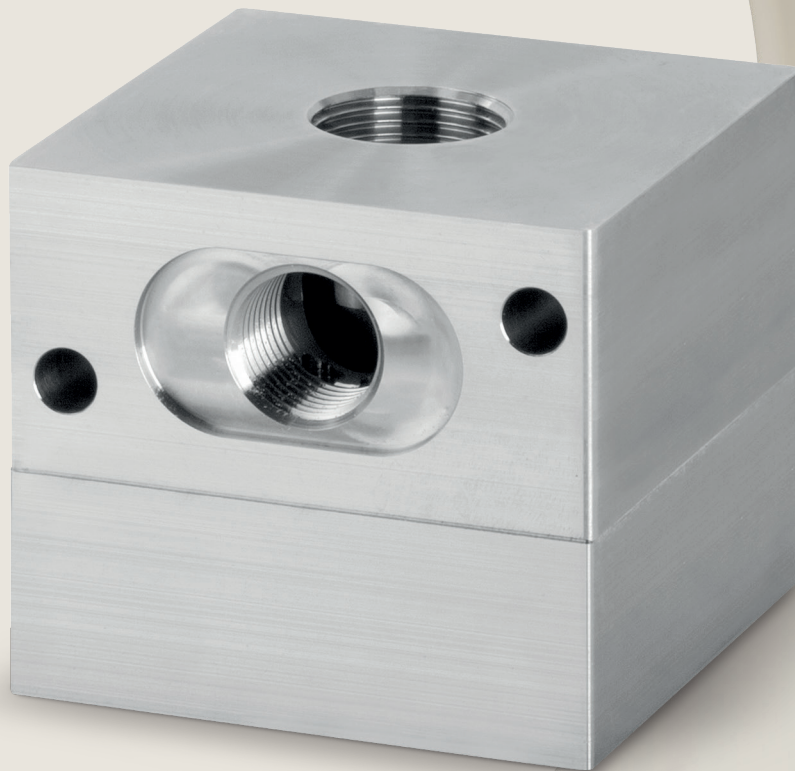


Process Automation

IMI STI

UD

Derivative Unit





Aluminium manifold mounting.



Stainless steel 316 manifold mounting.

UD

Derivative Unit

The Derivative Unit (model UD) is a specific device to amplify the exhaust. The regulating system is specifically designed for modulation and allows an accurate calibration (tuning) to maximize speed without compromising the stability of the actuator. Designed to be used with precision and easy tuning in control systems (amplification of exhaust positioner flow) and also for on/off systems.

Product features

Exclusive manifold mounting system. It is a special ST1 application to connect our accessories. Fittings or nipples are not necessary as the connection is achieved using machined connection faces with sealing 'o' ring.

This system saves time for assembly, reduces cost on items such as fittings, reducing inventory and the shortened dimensions save space.

Standard, offshore, sandstorm, copper free ambient condition.

Single and double acting actuators.

Low and high ambient temperature.

Technical specification

Housing materials
Anodized aluminium
Stainless steel 316

Pilot signal connection
1/2" NPT

Actuator connections
Manifold mounting
1/2" NPT

Operating temperature*
-20°C to 70°C
-40°C to 70°C
-20°C to 85°C

CV max
Exhaust = 3.8

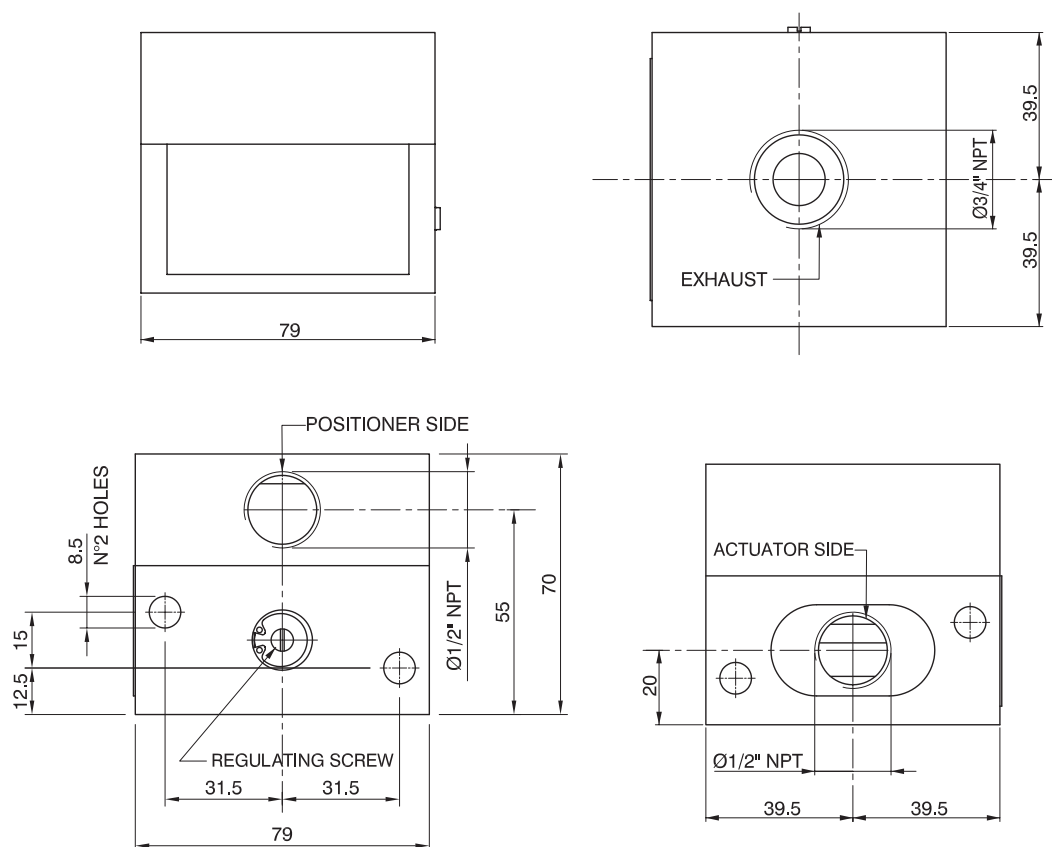
Weight
Aluminium = 1kg
Stainless steel 316 = 2.7kg

Exhaust connections
3/4" NPT

Operating pressure
P min = 3 bar
P max = 7 bar
Design pressure = 10 bar

* Lower or higher temperature available on request.

Dimensional drawing



Benefits

High sensitivity.

The specific design allows for accurate regulation of activation on modulating systems.

Activation system available in 2 versions for pilot.

CV flow between 0.1 and 0.8 and for pilot CV flow between 0.8 and 2.5.

High exhaust CV.

Collectable exhaust ND 3/4" NPT.

Regulation system available to modulate exhaust CV between 0 and 3.8.

Adjustable every 90° actuator connection design.

Full tight zero leakage.

Regulation screw cannot be ejected by internal air pressure.

Process Automation

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