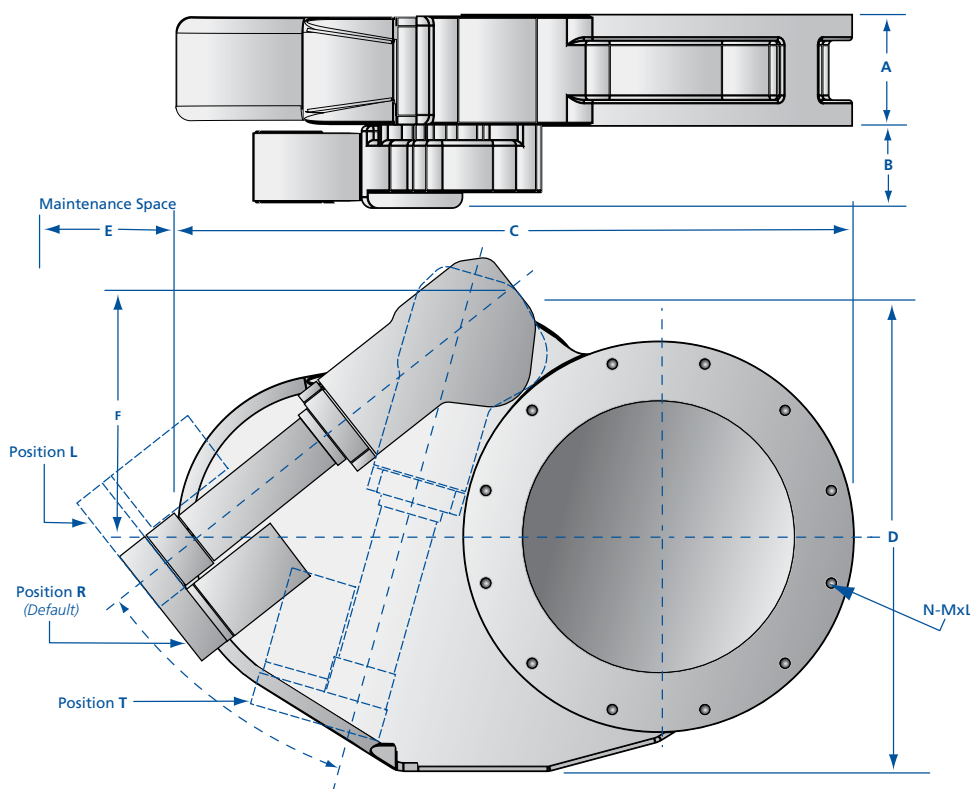


Downstream Pressure Control - ISO Flanged Isolation Pendulum Valves (IPV)



DIMENSIONS

MODEL NUMBER	NOMINAL ID	A	B	C	D	E	F	N	M	L	WEIGHT
IPV-600-ISO-160	6"	3.15 (80.0)	3.78 (96.0)	15.9 (403)	12.2 (310)	5.31 (135)	8.50 (216)	8	M10	10	40 (18.0)
IPV-600-ISO-160-HA	6"	3.15 (80.0)	3.78 (96.0)	15.9 (403)	12.2 (310)	5.31 (135)	8.50 (216)	8	M10	10	40 (18.0)
IPV-800-ISO-200-MB	8"	3.46 (87.9)	3.78 (96.0)	19.9 (506)	14.4 (266)	6.50 (165)	9.29 (236)	12	M10	10	49 (22.2)
IPV-800-ISO-200-HM	8"	3.46 (87.9)	3.78 (96.0)	19.9 (506)	14.4 (266)	6.50 (165)	9.29 (236)	12	M10	10	49 (22.2)
IPV-1000-ISO-250	10"	3.94 (100)	3.78 (96.0)	23.8 (605)	16.6 (422)	8.46 (215)	9.49 (241)	12	M10	10	62 (28.1)
IPV-1000-ISO-250-HA	10"	3.94 (100)	3.78 (96.0)	23.8 (605)	16.6 (422)	8.46 (215)	9.49 (241)	12	M10	10	62 (28.1)
IPV-1200-ISO-320	12"	4.72 (120)	4.06 (103)	30.2 (767)	22.0 (559)	10.6 (269)	12.8 (325)	12	M12	18	123 (55.8)
IPV-1200-ISO-320-HA	12"	4.72 (120)	4.06 (103)	30.2 (767)	22.0 (559)	10.6 (269)	12.8 (325)	12	M12	18	123 (55.8)



SPECIFICATIONS

Materials

Body: Cast aluminum A356.0

Valve plate: Aluminum 6061-T6

Other parts: A6061, A7075, SS304, SS316, Inconel X-750 and Viton

Seals: Viton standard. Kalrez, Chemraz, Perlast and other materials available

Body and plate surface treatment

Bare aluminum standard.

Hard Type III anodizing optional

Compressed air source

CDA or equivalent at 65 to 85 PSIG

Differential pressure

With valve fully sealed: 15 psi maximum across the valve plate

While opening the valve

20 Torr (DN160 and DN200)

24 Torr (DN250)

29 Torr (DN 320 and DN350)

Operating pressure: 3.8×10^{-8} to 760 Torr

Heating or bakeout capabilities

Body: 150°C maximum with optional heater kits

Actuator: 60°C maximum

Ambient operating temps: 0 - 60°C

Leak rate: 1×10^{-9} atm·scc/sec He

across seat and to atmosphere

(1×10^{-6} atm·scc/sec He for hard anodized body or gate)

Maximum speed: Customer adjustable depending on size

Reliability: 99% confidence level in clean environment

O-ring cycle life: 200K cycles open to fully closed

MTBF: $\geq 10,000$ hrs. continuous operation

Options: Heater jackets, other O-ring materials and flange configurations available

REV 6/16