

DPIC991 - PN16 PICV - DN32 / DN50

Pressure Independent Control Valves offer full authority and an automatic balancing function

- Energy savings: Optimal control creates energy savings when used as part of a variable flow system
- Accurate flow rates: Built-in differential pressure controller ensures accurate system design flow rates are achieved and eliminates overflows caused by fluctuating system pressures, which in turn reduces the system running costs
- Easy to install: For use with fan coils, chilled beams and other terminal units, the PICV is compact and easy to install in limited and difficult site conditions
- Precise temperature control: Linear or equal percentage characteristics, settable with an actuator, contribute to precise environmental temperature control

Materials

PART	MATERIAL
Valve Bodies (DN32)	Brass CUZN40PB2 - CW 617N
Valve Bodies (DN40-50)	Cast Iron EN-GJL-250 (GG 25)
Membranes and O-Rings	EPDM
Disc (Pc) (DN32)	Steel to BS EN 10027 W.Nr. 1.4305
Disc (Pc) (DN40-50)	Brass CUZN40PB3 - CW 614N, W.Nr. 1.4305
Seat (Pc) (DN32)	EPDM
Seat (Pc) (DN40-50)	Steel to BS EN 10027 W.Nr. 1.4305
Disc (Cv)	Brass CUZN40PB3 - CW614N
Seat (Cv) (DN32)	Brass CUZN40PB2 - CW617N
Seat (Cv) (DN40-50)	Steel to BS EN 10027 W.Nr 1.4305

Pc - Pressure Controller Part
Cv - Control Valve Part



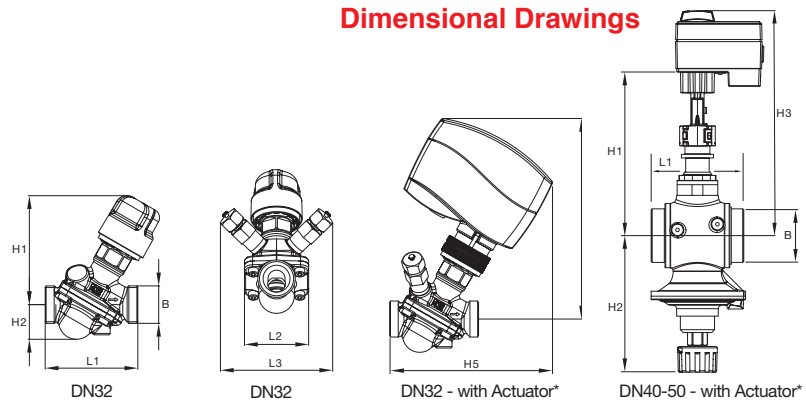
DN32 DPIC991



DN40-50 DPIC991 with Actuator*

*Please note that actuators and male BSP end connectors are sold separately. Please order one actuator and two end connectors per body from Crane Fluid Systems using the Part numbers below. Crane Fluid Systems recommend the use of their 3 point and modulating actuators and cannot accept responsibility for product performance if a different actuator is used.

Dimensional Drawings



Dimensions & Weights

SIZE	PART NO.	L1 (mm)	L2 (mm)	L3 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	B ISO 228/1	WEIGHT kg	MAX FLOW RATE l/s	3 POINT ACTUATOR		MODULATING ACTUATOR		MALE BSP ADAPTOR*	
													Fig No.	Part No.	Fig No.	Part No.	Fig No.	Part No.
DN32	OJG91619K	130	90	79	102	50	128	166	160	G 1 ¹ / ₂	2.21	0.89	ACT991TP	OJG91637M	ACT991M	OJG91638N	P605MM	OJG91634J
DN40	OJG91620C	110	-	-	170	174	280	-	-	G 2	6.9	2.08	-	-	ACT991M	OJG91639P	P605MM	OJG91635K
DN50	OJG91621D	130	-	-	170	174	280	-	-	G 2 ¹ / ₂	7.8	3.47	-	-	ACT991M	OJG91639P	P605MM	OJG91636L

PRESSURE RATING: PN16 / -10°C to 120°C

OPERATOR: Actuator - Modulating (ACT991M) or 3 Point Actuators (ACT991TP) available - these are ordered separate to the valve

END CONNECTION: External Male Threads to ISO 228/1

Can be converted to Male BSP using P605MM end connectors which are available on request

SPECIFICATION: Available on request

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