Fig. 305
PICV offering full authority & an automatic balancing function

CV

FEATURES & BENEFITS

- 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

DN32 Fig. 305

DN40-50 Fig. 305 with Actuator*

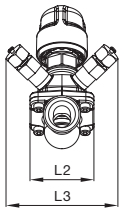
Please note that actuators and male BSP end connectors are sold separately. Please order 1 actuator and 2 end connectors per body from Hattersley using the Part numbers below. Hattersley recommend the use of their 3 point and modulating actuators and cannot accept responsibility for product performance if a different actuator is used.

MATERIAL SPECIFICATION

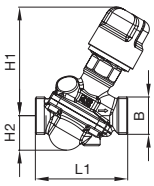
Component	Material
Valve Bodies (DN32)	Brass CUZN40PB2 - CW 617N
Valve Bodies (DN40-50)	Cast Iron EN-GJL-250 (GG 25)
Membranes and O-Rings	EPDM
Disc (Pc) (DN32)	Steel to BS EN 10027 W.Nr. 1.4305
Disc (Pc) (DN40-50)	Brass CUZN40PB3 - CW 614N, W.Nr. 1.4305
Seat (Pc) (DN32)	EPDM
Seat (Pc) (DN40-50)	Steel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

DIMENSIONAL DRAWINGS

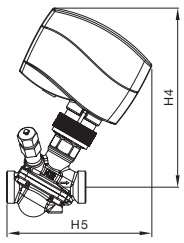


DN32

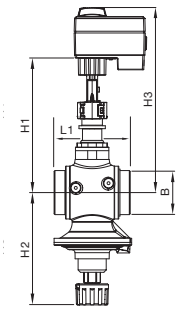


DN32

*Please note that the PICV, actuator and end connectors are sold separately



DN32 - with Actuator*



DN40-50 - with Actuator*

PRESSURE/ TEMPERATURE RATING

PN16 / -10°C to 120°C

OPERATOR

Actuator - Modulating (ACT305MA/MB) or Three-Point Actuators (ACT305TP) available - these are ordered separate to the valve.

END CONNECTIONS

External Male Threads to ISO 228/1. Can be converted to Male BSP using 1952MM end connectors which are available on request.

DIMENSIONS & WEIGHTS

PICV Size	PICV 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 Fig. No	3 Point Actuator Part No.	Modulating Actuator Fig. No	Modulating Actuator Part No.	Male BSP Adaptor* Fig. No	Male BSP Adaptor* Part No.
DN32	012B00305JW	130	90	79	102	50	128	166	160	G 1 1/2	2.21	0.89	ACT305TP	000305TP245	ACT305MA	000305MA245	1952MM	012B01952JWP
DN40	014B00305JW	110	-	-	170	174	280	-	-	G 2	6.9	2.08	-	-	ACT305MB	000305MB245	1952MM	014B01952JWP
DN50	020B00305JW	130	-	-	170	174	280	-	-	G 2 1/2	7.8	3.47	-	-	ACT305MB	000305MB245	1952MM	020B01952JWP

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