

# D995 DN32

Peak Pro™

BSRIA

Pressure Independent Control Valve

PN16

## Features & Benefits

ProBalance

- Comprehensive flow range available, allowing for cost effective valve selections. The PICV Peak Pro has up to 80% higher max flow compared to the previous model
- Accurate over a wide  $\Delta P$  range - up to 800kPa
- Class IV leakage
- PN16 rated product, suitable for high pressure applications
- Design validation testing to BSRIA BTS01. As per Cyclic Testing requirements, valve subjected to 10,000 cycles (equivalent to 15 years\* of typical service)
- Comprehensive testing undertaken for each valve - pressure tested to BS EN 12266-1
- Integral test points for verification of  $\Delta P$  and valve performance
- Built in convoluted integral diaphragm
- Smaller and lighter design suits applications with a small footprint

\*based on two full stroke cycles per day



## Materials

ITEM	DESCRIPTION	MATERIAL
1	Body	DZR Brass BS EN 12165 (CW602N)
2	Bonnet	DZR Brass BS EN 12165 (CW602N)
3	End Cap	DZR Brass BS EN 12165 (CW602N)
4	P84 Test Point	DZR Brass BS EN 12165 (CW602N)
5	Setting Dial	Nylon 6
6	DP Controller	Stainless Steel 303
7	Springs	Stainless Steel 302
8	Diaphragm	EPDM
9	O-Rings	EPDM
10	O-Ring Insert	DZR Brass BS EN 12165 (CW602N)
11	Stem	Stainless Steel 303

## Dimensions & Weights

	A (mm)	B (mm)	C (mm)	C2 (mm)	D (mm)	END CONNECTIONS	WEIGHT (kg)
DN32	135	100	76	135	56	1-1/4" BSP Taper	2.3

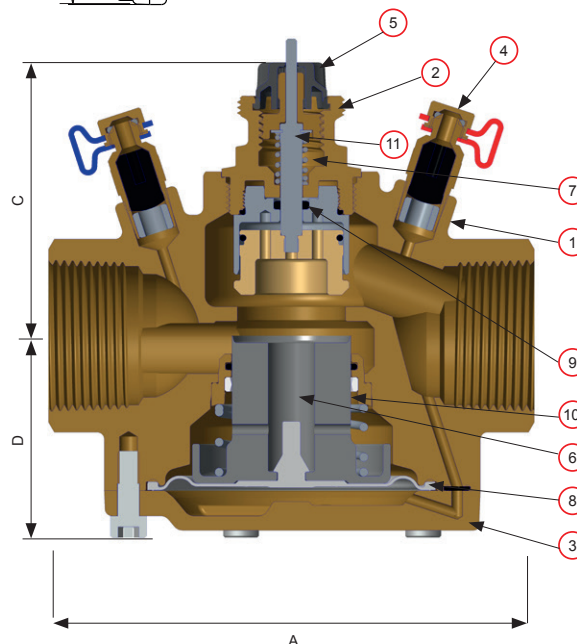
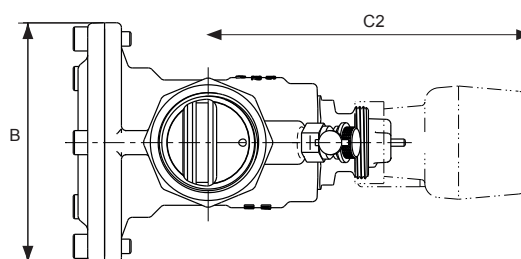
## Flow Range

	STD FLOW (l/s)	HIGH FLOW (l/s)
DN32	0.52-1.35	0.63 - 1.73

## Differential Pressure Range

	STD FLOW (kPa)	HIGH FLOW (kPa)
DN32	65-800	70-800

## Dimensional Drawings



## Pressure/Temperature Ratings

TEMPERATURE (°C)	0°C to 90°C
PRESSURE (BAR)	16 Bar

**PRESSURE RATING:** PN16

**MEDIUM:** Group 2 Liquids

**END CONNECTIONS:**

BSP Female Taper to BS EN 10226-2

**SPECIFICATION:** The PICV shall have a constant control characteristic at all flow settings and control flow rates at differential pressures up to 800kPa. Flow rates will be externally adjustable, and set point recordable. Integral test points will be fitted to verify setting pressure allowing pumps to be set at optimum speed to maximise energy savings. Shall be manufactured from DZR Brass, with Stainless Steel springs, and an EPDM diaphragm. Shall be rated to PN16 and operate at temperatures to 90°C. As per Crane FS Peak Pro (Fig D995).

**SPARES:** Isolating cap part number 0ED13666H.

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