

# DE40BFP DN15/15

Dominator Eco with BSRIA  
Flushing Drains & 4-Port



PN16



## Features & Benefits

- Innovative design - Unique differential pressure mechanism, ensuring accurate flow control and allowing the valve to be back flushed if required. Patent Pending
- Reduced embodied carbon and simple installation by combining a PICV, H-body and FMD together, making the Dominator Eco 33% lighter and 20% shorter than our current 40mm Dominator alternative
- Reliable flow measurement through the integral FMD in accordance to BS 7350
- Easily identifiable chilled and heating applications via the colour coded tags that also display the fan coil reference
- Paperless - Digital datasheet, IOM and commissioning tool can be quickly accessed via QR code on the colour coded tags
- BSRIA BG29 compliant design - Full forward-flushing and back-flushing capabilities
- Peace of mind - 100% of Dominator Ecos are tested before shipping. This involves pressure testing to BS EN 12266-1 and performance testing in accordance with BSRIA BTS01
- Direct mounting to FCUs – designed for easy access to components in confined spaces
- Flow regulation and  $\Delta P$  verification – Utilising setting dial and integrated test points
- Minimum flow protection - 4-Port valve included to provide a constant flow rate irrespective of load demand
- Comprehensive flow range available, allowing for cost effective valve selections
- PN16 rated product, suitable for building services applications
- Increased functionality and reduced material requirement - Interchangeable test points and nozzles facilitate  $\Delta P$  measurement and flushing where required

## Materials

NO.	DESCRIPTION	MATERIAL	QTY
1	Male Ended Low Flow 0.010 - 0.080l/s Male Ended Std. Flow 0.025 - 0.170l/s Male Ended High Flow 0.110 - 0.290l/s	DZR Brass BS EN 12165 (CW602N)	1
2	Drain Tee Assembly – Male Captive	DZR Brass BS EN 12165 (CW602N)	2
3	4-Port Valve	DZR Brass BS EN 12165 (CW602N)	1
4	Adaptor 4-Port	DZR Brass BS EN 12165 (CW602N)	4
5	End Connection Sub Assembly	DZR Brass BS EN 12165 (CW602N)	2

NOTE: Sealing gasket and O-rings material are EPDM

## PICU Pressure

OPERATING PRESSURE RANGE	20 - 400 (DN15 LF)
ACROSS VALVE (kPa)	20 - 400 (DN15 SF)
	40 - 400 (DN15 HF)

**PRESSURE RATING:** PN16

**TEMPERATURE RATING:** 0 to 90°C

**WEIGHT** 2kg

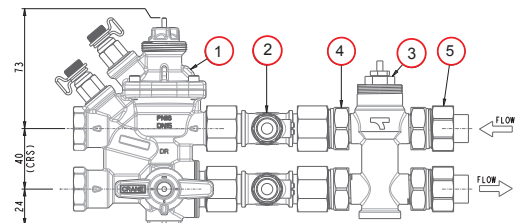
### END CONNECTIONS:

Valve body - BSP Taper  
Terminal end - Compression/Solder

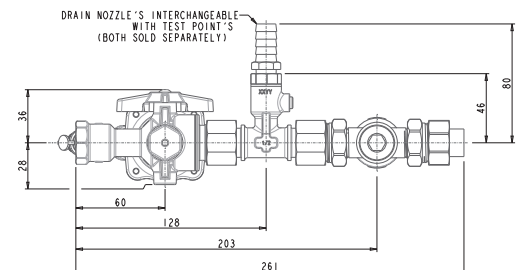
**SPARES:** Refer to IOM

**SPECIFICATION** DZR Terminal unit valve set to be a pre-assembled unit as supplied by a single manufacturer. Unit to include a flushing bypass with integral isolation valves, Pressure Independent Commissioning Unit (PICU), 4-Port and flushing valves to comply to BG29 guidelines. Flow rate to be measurable using integral test points as per BS 7350. Flow rate to be adjustable between 0.010-0.290l/s, dependent on variant. Connections to be flat face unions between components with female BSPT on system side and compression/solder on terminal side. Unit to be manufactured from DZR Brass to BS EN 12164/5 CW602N. Valve assembly will be labelled to include the terminal unit reference number, service and part number as per Dominator Eco.

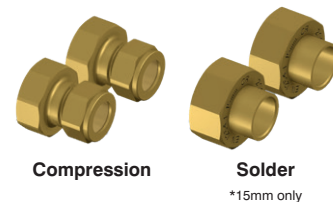
## Dimensional Drawings



Available in standard or reverse handed orientations.



## End Connections



Compression

Solder

\*15mm only