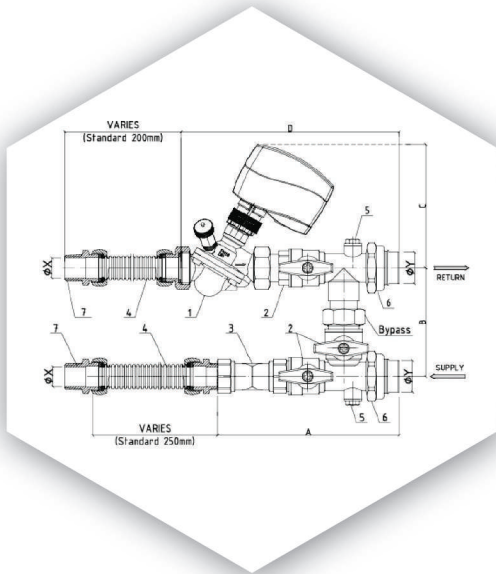


FAN COIL UNIT KIT (FCU20B/FCU20/FCU25)



DIMENSIONAL DRAWINGS



DIMENSIONS & WEIGHTS

Size	A	B	C	D	Weight (kg)
65MM	81	109	54	54	2.80
80MM	99	130	57	57	3.20
100MM	116	160	64	64	4.60
125MM	143	194	70	70	7.40

*Above weight are without PICV and Flexible.
Note Three act BS EN 10226-2 ISO 7-1 (BS21)
*M-Male, F-Female.

FEATURES & BENEFITS

- The unit allows regulating, flushing & isolating operations.
- Fully ready mounted product, fast installation connection.
- Flexible connections, the whole assembly can be adjusted in site for maximum convenience & easy accessibility with the space available.
- Minimum commissioning, only to pre-set flow rate for control valve (PICV) after installation of the systems.
- Possible to set all positions, excellent for insulation, possibilities for flushing through PICVs due to hollow cone design.
- Factory pressure tested at 30 bar certified by 3rd party.
- Optimizing the variable flow systems to give maximum comfort & minimum energy consumption.
- Minimal design, easy selection & very compact design for easy installations.
- Strainer with drain valve for easy draining, eliminates opening of strainer plug.
- BSRIA tested for PICV's on performances at part load conditions for all sizes.
- Strainer are with 20MESH

SELECTION

Size	Flow Rate Range (Min-Max)		
	l/h	l/s	gpm
DN 20 X 15 LF	25-275	0.006-0.076	0.110-1.21
DN 20 X 15	90-450	0.025-0.125	0.4-1.98
DN 20 X 20	180-900	0.05-0.25	0.79-3.96
DN 25 X 25	340-1700	0.094-0.472	1.5-7.49

MATERIAL SPECIFICATION

Part No.	Part Name	Material
1	AB-QM VALVE (PICV)	DZR BRASS:BS CZ 132
2	90-450	DZR BRASS:BS CZ 132
3	STRAINER WITH DRAIN COCK:	
	• BODY	DZR BRASS:BS CZ 132
	• SCREEN (PERFORATION 0.75 MM)	STAINLESS STEEL: BS 1.4301
4	FLEXIBLE CONNECTION (CORRUGATED)	STAINLESS STEEL: BS 1.4301
5	BLIND CAP	DZR BRASS:BS CZ 132
6	PIPE CONNECTOR:	
	• UNION	DZR BRASS:BS CZ 132
	• O-RING	EPDM
	• HEXNUT	• HEXNUT
7	FCU CONNECTOR:	
	• MALE ADAPTOR	STAINLESS STEEL : BS 1.4301
	• SEALING GASKET	SILICON RUBBER
	• O-RING	EPDM
	• SWIVEL NUT	STAINLESS STEEL : BS 1.4301

PRESSURE / TEMPERATURE RATING

Pressure Rating 20 bar

Temperature - 10 to 120 °C

TEST PRESSURES

Shell 30 bar

Seat 22 bar

SPECIFICATION

- Application : Fan coil unit, close control unit.
- Working Medium: Water and water mixture for closed cooling systems.
- PICV Differential pressure Range : 16-600 kPa.
- PICV Control Characteristics : Linear/Equal Percentage.
- Different flexible length (300 MM, 400 MM, 450 MM and 500 MM are available upon request.
- Braided flexibles upon request.
- DP Controller: EPDM Diaphragm.
- End connections : Threaded.

TFL Valves Quality Policy Is Complete Satisfaction Of Customers. According To That We Have Selected QUALITY As A Strategic factor in application to all our organization. Our purpose is to reinforce competitiveness, to ensure customer satisfaction, to improve process related with product quality and guarantee accomplishment of quality requirements.