

FANCOIL VALVE PREFAB KIT (FVP)

An All-in-One prefabricated unit revolutionizing fan coil unit (FCU) Installation





FVP KIT

FANCOIL VALVE PREFAB KIT

The Fan coil Valve Prefab unit consists of a 3-way ball valve, a 3-way strainer ball valve, a bypass tube, and the designated insulation box. An all-in-One prefabricated unit revolutionizing fan coil unit (FCU) installation.

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FEATURES

An integrated bypass flushing

• An integrated bypass tube enables pre-commissioning flushing to avoid possible clogging of PICV and strainer with debris from the pipe installation.

Simply functional

- 3-way ball valves regulate the flow during flushing via bypass tube, normal operation toward FCU and shut-off during maintenance.
- Integrated Y-strainer traps other possible debris after initial flushing, protecting the PICV from contamination and ensuring consistent flow control.
- Climate specific designed insulation shell
 - Engineering proved one-touch insulation shell is designed for highly humid climate in Southeast Asia ensuring no condensation accumulates on insulation surface. Cutting problems from inconsistent insulation workmanship.
- Simplified Installation
 - Prefabricated valve units reduced the connection points by half. Hence, reducing installation time and labor costs.
 - Flexible pipe spacing allows for customization to specific project requirements.
- Optional connection alternative
 - Optional connections with male nipple enable direct connection with flexible hoses which further rapid installation with noise & vibration isolation effect.
 - Optional downsized connection matches with flow requirement of smaller fan coil units.
 - Optional alternative with integrated swivel hanger for easy installation

BENEFITS

- Prevent any clogging of the control valves and strainers during commissioning and normal operation.
- Avoid time consuming and costly cleaning procedures and repetition of commissioning.
- Simplified Installation Process 100% Factory-Tested for Leak-Free Confidence
- Cost-Effective solution
- Enhanced System Consistence, Reliability & Performance

OPERATIING CONDITION & APPLICATIONS



Size (A)	Distance between inlet & outlet (P)		
20A	150	200	250

- Working pressure: 20 bars
- Working temperature: -10 to 60 C
- Applicable Fluid: Chilled Water



CONSTRUCTION

STRAINER BALL VALVE : 20A



No Part Namo

MATERIAL OF CONSTRUCTION

NO.	Part Name	Materials
1	Handle	Aluminum
2	Valve Body	Brass (CW602N)
3	Ball	Plated Brass (HPb57-3)
4	Strainer Screen	SS304
5	Screen Cap	Brass (HPb57-3)
6	Female Union (Optional Male Nipple)	Brass (CW602N)

Optional Connection	Α	L
Female Union	58	135
Male Nipple	40	117

Materials

Aluminum

Α

53

53

Brass (CW602N)

Brass (CW602N)

Plated Brass (Hpb57-3)

В

58

40

L

110

93

MATERIAL OF CONSTRUCTION

Part Name

Valve Body

Female Union

Optional Connection

Female Union

Female-Male Nipple

(Optinal Male Nipple)

Handle

Ball

No. 1

2

3

4

3-WAY BALL VALVE : 20A



THERMAL INSULATION SHELL

Expanded Polypropylene (EPP) is 100% recyclable and highly flame retardant closed cell material with excellent heat & sound insulation properties.

TECHNICAL SPECIFICATION

Material	Expanded Polypropylene (EPP)	
Shell	Thickness: Min. 32mm	
Density	40 g/l	
Oxygen Index	>24%	
Flammability Class	UL94 class HF-1	
Thermal conductivity	≤0.04W/(m.k)	
Temperature rating	-5°C to +105°C	





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