

VU54 Three-way Fan Coil Valves



Three-way Fan Coil Valve, the VU54 high pressure zone valves are used to control the flow of hot or chilled water in commercial HVAC equipment such as fan coil units, terminal reheat coils and convectors. IMPORTANT These valves are not for use in systems containing dissolved oxygen.

- Compact construction for easy installation
- Fits under the cover of most baseboard convectors with actuator fitted to valve body
- VU54 provides three-way diverting control of water
- 300 psi (2,000 kPa, PN20) operating pressure rating
- Patented ball seal provides long service life, soft close off
- Triple O-ring seal provides three lines of defense against corrosion and water leakage around drive shaft
- Quick opening flow curve
- Choice of NPT end connections for iron or steel piping

Valve Type: Fan Coil Valve
Valve Action: Mixing
Body Pattern: Three-way A-AB-B
Flow Characteristic: Quick opening
Controlled Medium: Chilled or hot water with up to 60% Glycol
Maximum Safe Operating Pressure: 300 psig (2068 kPa)
Ambient Temperature Range: 34 F to 125 F at 200 F Fluid
 (1 to 52 C @ 94 C Fluid)
Actuation: Must be purchased separately

Materials
(Body): Brass
(Stem): Brass
(Seat): Brass
(Plug/Ball/Disc): Buna-N rubber
(Packing): EPDM rubber
Used With: VU444 Actuator; VU844 Actuator
Approvals
Canadian Standards Association: CSA C/US

Product Number	Valve Size		Flow Capacity		Dimensions, A to B ports End to End		Dimensions, Center Line of A&B port to end of AB port		Connection Type	Maximum Close-off Pressure	
	(inch)	DN	(Cv)	(Kv)	(inch)	(mm)	(inch)	(mm)		(psi)	(kPa)
VU54N1007/U	1/2 in.	DN15	4.0 Cv	3.4 kvs	2 3/4 in.	70 mm	1 3/8 in.	35 mm	Female NPT	20 psi	138 kPa
VU54N1015/U	3/4 in.	DN20	7.0 Cv	6.5 kvs	3 3/8 in.	86 mm	1 11/16 in.	43 mm	Female NPT	10 psi	69 kPa
VU54N1023/U	1 in.	DN25	7.0 Cv	6.5 kvs	—	—	—	—	Female NPT	10 psi	69 kPa
VU54N1031/U	3/4 in.	DN20	4.0 Cv	3.4 kvs	3 3/8 in.	86 mm	1 11/16 in.	43 mm	Female NPT	20 psi	138 kPa
VU54N1049/U	3/4 in.	DN20	5.0 Cv	4.3 kvs	3 3/8 in.	86 mm	1 11/16 in.	43 mm	Female NPT	15 psi	103 kPa
VU54S2008/U	1/2 in.	DN15	4.0 Cv	3.4 kvs	2 5/8 in.	66 mm	1 5/16 in.	33 mm	Sweat	20 psi	138 kPa
VU54S2016/U	3/4 in.	DN20	7.0 Cv	6.5 kvs	2 3/4 in.	70 mm	1 3/8 in.	35 mm	Sweat	10 psi	69 kPa
VU54S2024/U	1 in.	DN25	7.0 Cv	6.5 kvs	3 3/8 in.	86 mm	1 11/16 in.	43 mm	Sweat	10 psi	69 kPa
VU54S2040/U	1/2 in.	DN15	3.0 Cv	2.6 kvs	2 5/8 in.	66 mm	1 5/16 in.	33 mm	Sweat	25 psi	172 kPa
VU54S2057/U	3/4 in.	DN20	5.0 Cv	4.3 kvs	2 3/4 in.	70 mm	1 3/8 in.	35 mm	Sweat	15 psi	103 kPa

Commercial Components