

Valves



Product Literature

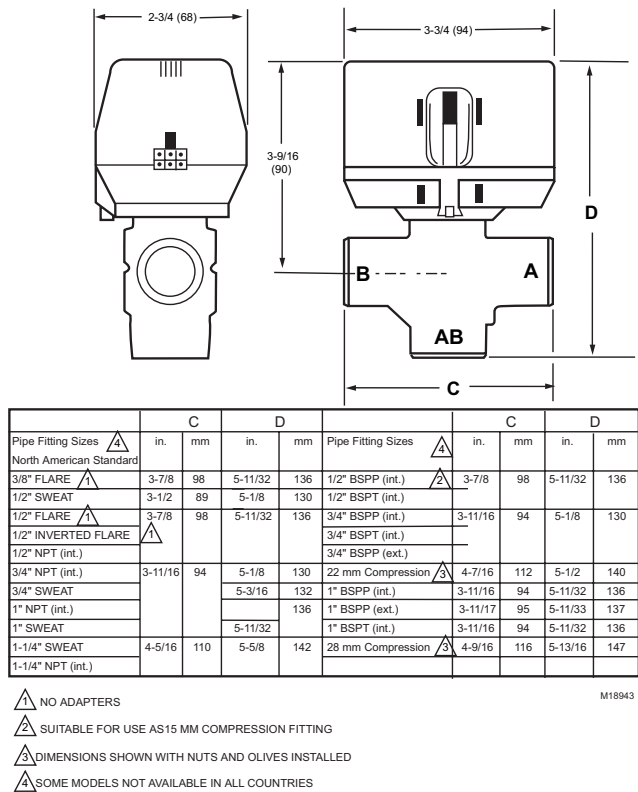
Installation Instructions—95C-10919  
Specification Data—95C-10750  
Product Data—95C-10789

Valve Type	Unitary
Body Pattern	Three-way A-AB-B
Controlled Medium	Water w/max of 50% Glycol
Valve Action	Stem up to close A port
Stem Travel	0.4 in. (10 mm)
Maximum Operating Pressure	(20 Bar)
Maximum Close-off Pressure	60 psi (4 Bar)
Timing (sec. min.) when used with VC series Actuator	On/Off models with 6 sec; Floating and modulating with 2 min.
Fluid Temperature Range	34 F to 203 F (1 C to 95 C)
Ambient Temperature Range	32 F to 150 F (0 C to 65 C)
Materials	
(Body)	Bronze
(Stem)	Stainless Steel
(Cartridge)	Ryton®, Noryl® engineering plastic
(Packing)	EPDM rubber
Approvals:	
Canadian Standards Association	CSA Certified
Comments	Can be controlled by either a low or a line voltage SPDT or SPST or floating controller. Characterized cartridge for use with floating and modulating actuators

VCZM; VCZN Three-way Cartridge Cage Valves

Three-way Cartridge Cage Valves. These two position 3-way hydronic valves are intended for use in a normal indoor environment to control the flow of hot and/or cold water, or glycol solution to 50% concentration. These valves can be piped for either diverting or mixing valve applications in central heating and/or cooling systems; or for individual fan coil, radiator or convector applications. Depending on the model selected they can be controlled by either a low or line voltage SPST or SPDT controller such as a room thermostat, aquastat or flow switch. For trouble-free operation of the product, good installation practice must include initial system flushing, chemical water treatment, and the use of a 50 micron (or finer) system side stream filter(s). Remove all filters before flushing.

Dimensions Diagram



Product Number	Pipe Size		Connection Type	Fitting Size (in.)	Capacity		Flow Characteristic	Includes
	(inch)	DN			(Cv)	(Kv)		
<b>VCZMD6100</b>	1/2 in.	DN15	Inverted Flare	—	3.2 Cv	2.74 Kv	Linear	—
<b>VCZNB6100</b>	1/2 in.	DN15	Female NPT	—	3.7 Cv	3.2 Kv	Linear	—
<b>VCZMA6100</b>	1/2 in.	DN15	Sweat	—	3.8 Cv	3.3 Kv	Linear	Cartridge changing tool
<b>VCZMC6100</b>	1/2 in.	DN15	Flare	5/8 in.	3.8 Cv	3.3 Kv	Linear	—
<b>VCZML6100</b>	3/4 in.	DN20	Sweat	—	5.9 Cv	5.1 Kv	Linear	Cartridge changing tool
<b>VCZMK6100</b>	3/4 in.	DN20	Female NPT	—	6.6 Cv	5.7 Kv	Linear	—
<b>VCZMR6100</b>	1 in.	DN25	Female NPT	—	8.6 Cv	7.4 Kv	Linear	—
<b>VCZMS6100</b>	1 in.	DN25	Sweat	—	9 Cv	7.7 Kv	Linear	Cartridge changing tool
<b>VCZND6100</b>	1 1/4 in.	DN32	Female NPT	—	9 Cv	7.7 Kv	Linear	—
<b>VCZNE6100</b>	1 1/4 in.	DN32	Sweat	—	9 Cv	7.7 Kv	Linear	Cartridge changing tool