

## Pressure actuated water valves

### V246 - V248

#### *Water regulating valves for high pressure refrigerants*

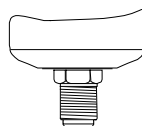
The V246 - V248 series 2-way and 3-way pressure actuated water regulating valves for high-pressure refrigerants regulate water flow and control refrigerant head pressure in systems with single or multiple watercooled condensers. These valves have an adjustable opening point in a refrigerant pressure range of 200 to 400 psig (13.8 to 27.6 bar).

These series valves are designed specifically for condensing units cooled either by atmospheric or forced draft cooling towers. They are used on single or multiple condenser hook-ups to the tower to provide the most economical and efficient use of the tower. V246 - V248 valves may be used with standard non-corrosive or ammonia refrigerants.

For applications where the coolant may be corrosive to the internal parts, maritime models are available, which have nickel copper (Monel®) internal parts.

#### Features

- ▶ No close fitting or sliding parts in water passages
- ▶ Accessible range spring
- ▶ Take-apart construction
- ▶ Pressure-balanced design
- ▶ Corrosion-resistant material for internal parts



**Style 5**  
7/16-20 UNF



#### Ordering information

##### *Standard production models - Range 13.8 to 27.6 bar*

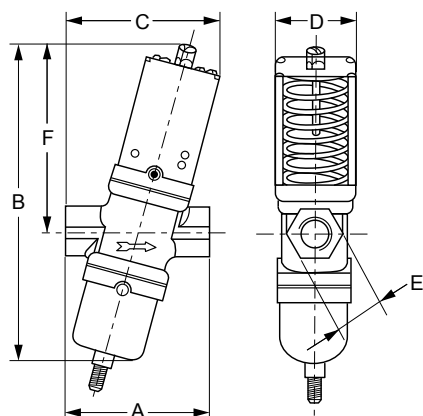
Codes	Construction	Valve size and connection	Element style	Shipping weight (kg)
V246GA1A001C	Direct acting, Commercial	3/8 in. BSPP Screw, ISO 228	Style 5	1.86
V246GB1A001C		1/2 in. BSPP Screw, ISO 228		1.4
V246GC1A001C		3/4 in. BSPP Screw, ISO 228		1.7
V246GD1B001C		1 in. BSPT Screw, ISO 7		4.2
V246GE1B001C		1-1/4 in. BSPT Screw, ISO 7		4.5
V246GR1B001C		1-1/2 in. Flange, DIN2533		6.2
V246GS1B001C		2 in. Flange, DIN2533		12.3
V246HA1B001C	Direct acting, Maritime	3/8 in. BSPP Screw, ISO 228		1.86
V246HB1B001C		1/2 in. BSPP Screw, ISO 228		1.4
V246HC1B001C		3/4 in. BSPP Screw, ISO 228		2.0
V246HD1B001C		1 in. BSPT Screw, ISO 228		4.3
V246HE1B001C		1-1/4 in. BSPT Screw, ISO 228		4.7
V246HR1B001C		1-1/2 in. Flange, DIN86021		6.2
V246HS1B001C		2 in. Flange, DIN86021		12.3

## Pressure actuated water valves

### V246

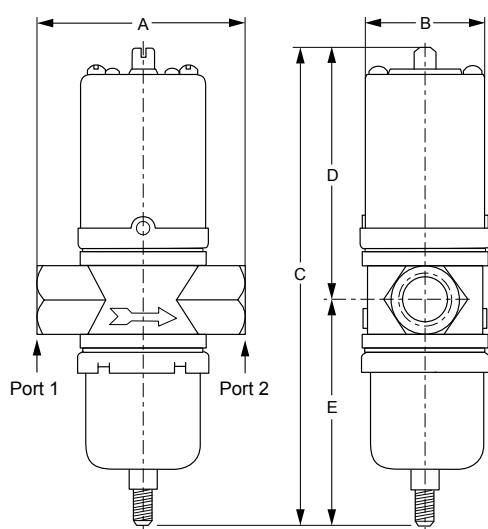
#### Dimensions in mm

Standard production models - Range 13.8 to 27.6 bar



#### V246 screw connection valves - Commercial service

Valve size	A	B	C	D	E	F
3/8"	70	176	75	41	24	92
1/2"	80	191	86	51	27	98
3/4"	90	217	97	55	36	110



#### V246 screw connection valves - Commercial service

Valve size	A	B	C	D	E
1"	124	71	267	151	116
1-1/4"	126		276	156	121

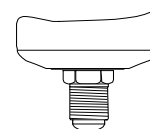
#### V246 screw connection valves - Maritime service

Valve size	A	B	C	D	E
3/8"	67	41	166	89	77
1/2"	78	51	182	96	86
3/4"	86	55	203	106	98
1"	124	71	267	151	116
1-1/4"	126		276	156	121

## Pressure actuated water valves

**V248**

### Ordering information

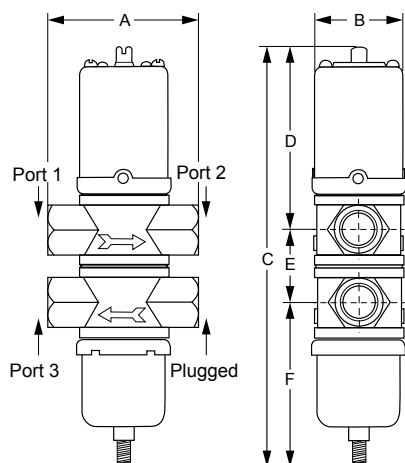


**Style 5**  
7/16-20 UNF

#### Standard production models - Range 13.8 to 27.8 bar

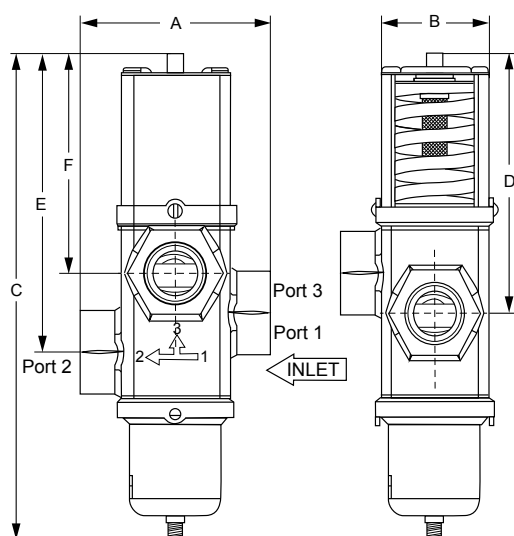
Codes	Construction	Valve size and connection	Element style	Shipping weight (kg)
V248GB1B001C	Direct acting, Commercial	1/2 in. BSPT Screw, ISO 7	Style 5	2.3
V248GC1B001C		3/4 in. BSPT Screw, ISO 7		3.0
V248GD1B001C		1 in. BSPT Screw, ISO 7		5.5
V248GE1B001C		1-1/4 in. BSPT Screw, ISO 7		5.0
V248GF1B001C		1-1/2 in. BSPT Screw, ISO 7		11.3
V248HC1B001C	Direct acting, Maritime	3/4 in. BSPP Screw, ISO 228		3.0

### Dimensions in mm



#### 1/2 in. through 1 1/4 in.

Valve size	A	B	C	D	E	F
1/2 in.	79	51	220	96	38	86
3/4 in.	86	55	248	106	45	98
1 in.	124	71	318	151	52	115
1 1/4 in.	126		336	156	60	121



#### 1 1/2 in.

Valve size	A	B	C	D	E	F
1 1/2 in.	152	89	387	206	237	175