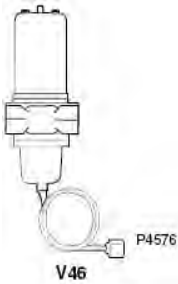


JOHNSON CONTROLS - V46N SERIES REVERSE ACTING VALVE SELECTION CHART



DESCRIPTION

The V46N Series are reverse acting pressure actuated modulating valves used on either open or closed loop coolant systems. Reverse acting valves open on a refrigerant pressure decrease. They are generally used in parallel with a direct acting valve for heat pump applications or for bypass operation.

APPLICATIONS

- Bypass systems
- Water cooled heat pumps in parallel with direct acting valve

SELECTION CHART

PART NO	PIPE SIZE (in)	INLET AND OUTLET	OPENING POINT RANGE psig (kPa)	PRESSURE ELEMENT STYLE	SEAT REPAIR KIT	REPLACEMENT POWER ELEMENTS
V46NA-1C	3/8 NPT	Threaded	90 to 280 (621 to 1931)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT14A-600R	SEP91A-600R & SEC37A-601R*
V46NB-1C	1/2 NPT	Threaded	90 to 280 (621 to 1931)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT15A-602R	SEP91A-602R & SEC37A-602R*
V46NB-2C	1/2 NPT	Threaded	40 to 100** (276 to 690)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT15A-602R	SEP91A-602R & SEC37A-602R*
V46NC-1C	3/4 NPT	Threaded	90 to 280 (621 to 1931)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT16A-601R	SEP91A-601R & SEC37A-602R*
V46NC-2C	3/4 NPT	Threaded	40 to 100** (276 to 690)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT16A-601R	SEP91A-601R & SEC37A-602R*
V46ND-1C	1 NPT	Threaded	90 to 280 (621 to 1931)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT17A-609R	SEP91A-601R & SEC37A-602R*
V46ND-2C	1 NPT	Threaded	40 to 100** (276 to 690)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT17A-609R	SEP91A-601R & SEC37A-602R*
V46NE-1C	1-1/4 NPT	Threaded	90 to 280 (621 to 1931)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT17A-610R	SEP91A-603R & SEC37A-600R*
V46NE-2C	1-1/4 NPT	Threaded	40 to 100** (276 to 690)	30-in. Capillary with 1/4-in. Flare Nut + Schrader Valve Depressor (Style 45)	STT17A-610R	SEP91A-603R & SEC37A-600R*

*Maximum bellows overpressure is 320 psig. Replacement element provided with 1/4 in. male SAE connector. Order SEC 37A capillary kit with 2 flare nuts, separately if needed. Use only on valves specified.

** For heat pump application.

JOHNSON CONTROLS - V47N SERIES REVERSE ACTING VALVE

SELECTION CHART

DESCRIPTION

The V47N Series are reverse-acting, temperature-actuated, modulating valves that regulate the flow of water or glycol to maintain a desired temperature. Reverse-acting valves open on a drop in temperature. They are generally used in parallel with direct-acting valves for hand pump applications or for bypass operation.

APPLICATIONS

- Bypass systems
- Water-cooled heat pumps in parallel with a direct-acting valve

SELECTION CHART

PART NO	BULB SIZE (in) (Dia Length)	PIPE SIZE & CONNECTOR	OPENING POINT RANGE	FACTORY SET OPENING POINT	STANDARD BYPASS ORIFICE
V47NA-2C	11/16 x 3-1/4	3/8-in. Screw	85 to 155° F	105° F	—
V47NA-8C	1-1/4 x 5	3/8-in. Screw	215 to 265° F	240° F	0.04 in.
V47NB-1C	11/16 x 3-1/4	1/2-9n. Screw	85 to 155° F	105° F	—
V47NC-1C	11/16 x 3-1/4	3/4-in. Screw	85 to 155° F	105° F	—
V47NR-1C	11/16 x 16-1/4	1-1/2-in. Flange	45 to 85° F	55° F	—

REPAIR PARTS AND ACCESSORIES

PARTS FOR:	P/N Seat Repair Kit	P/N Replacement Sensing Element	P/N Bulb Well Number (Order Separately)
V47NA-2	V47NA-2	—	WEL18A-601R (Monel)
V47NA-8	V47NA-8	—	—
V47NB-1	V47NB-1	—	WEL18A-601R (Monel) WEL18A-602R (Brass)
V47NC-1	V47NC-1	—	WEL18A-601R (Monel) WEL18A-602R (Brass)
V47NR-1	V47NR-1	SET29A-605R	—