

V43xx and V243xx Series Repair Parts Kits

Technical Bulletin

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Part No. 996-31, Rev. F

Introduction

The repair parts are supplied in kits only (never separately). Repair kits include all the parts required to completely recondition this portion of the valve.

If any single part is required, the entire kit in which the part is listed must be ordered. See Figure 1 and Figure 2 for the valve cutaway drawings and Table 3 for the itemized parts in the kits.

WARNING

This product is made of a copper alloy, which contains lead. The product is therefore not to be used on drinking water.

Table 1: Repair Parts

Model	Diaphragm Kit	Seat Disc and Diaphragm Kit	Seat Repair Kit	Screen Repair Kit	Push Rod Kit ¹	Sensing Element Kit	Disc Body Kit
V43AS-1C	DPM18A-600R	DSC16A-600R	STT19A-602R	SCN10A-600R	ROD18A-600R	SEP88A-600R	DBK11A-600R
V43AS-2C	DPM18A-600R	DSC16A-600R	STT19A-602R	SCN10A-600R	ROD18A-600R	SEP88A-601R	DBK11A-600R
V43AS-5C	DPM18A-600R	DSC16A-600R	STT19A-602R	SCN10A-600R	ROD18A-600R	SEP87A-600R	DBK11A-600R
V43AT-1C	DPM18A-601R	DSC16A-601R	STT19A-603R	SCN10A-600R	ROD18A-601R	SEP88A-600R	DBK11A-601R
V43AT-2C	DPM18A-601R	DSC16A-601R	STT19A-603R	SCN10A-600R	ROD18A-601R	SEP88A-601R	DBK11A-601R
V43AT-5C	DPM18A-601R	DSC16A-601R	STT19A-603R	SCN10A-600R	ROD18A-601R	SEP87A-600R	DBK11A-601R
V43AV-1C	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-600R	ROD18A-601R	SEP88A-600R	DBK11A-602R
V43AV-2C	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-600R	ROD18A-601R	SEP88A-601R	DBK11A-602R
V43AV-5C	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-600R	ROD18A-601R	SEP87A-600R	DBK11A-602R
V43AW-1C	DPM18A-603R	DSC16A-603R	STT19A-608R	SCN10A-600R	ROD18A-600R	SEP88A-600R	DBK11A-603R
V43AW-2C	DPM18A-603R	DSC16A-603R	STT19A-608R	SCN10A-600R	ROD18A-600R	SEP88A-601R	DBK11A-603R
V43AW-5C	DPM18A-603R	DSC16A-603R	STT19A-608R	SCN10A-600R	ROD18A-602R	SEP87A-600R	DBK11A-603R
V43BS-1C ²	DPM18A-600R	DSC16A-600R	STT19A-602R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK11A-600R
V43BS-2C ²	DPM18A-600R	DSC16A-600R	STT19A-602R	SCN10A-601R	ROD18A-602R	SEP88A-601R	DBK11A-600R
V43BS-3C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-600R
V43BS-6C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-600R
V43BS-7C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-602R	SEP88A-601R	DBK10A-600R
V43BT-1C ²	DPM18A-601R	DSC16A-601R	STT19A-603R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK11A-601R
V43BT-2C ²	DPM18A-601R	DSC16A-601R	STT19A-603R	SCN10A-601R	ROD18A-603R	SEP88A-601R	DBK11A-601R
V43BT-3C	DPM18A-601R	DSC16A-601R	STT19A-605R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-602R
V43BT-6C	DPM18A-601R	DSC16A-601R	STT19A-605R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-602R
V43BT-7C	DPM18A-601R	DSC16A-601R	STT19A-605R	SCN10A-601R	ROD18A-603R	SEP88A-601R	DBK10A-602R
V43BV-1C ²	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK11A-602R
V43BV-2C ²	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-601R	ROD18A-603R	SEP88A-601R	DBK11A-602R
V43BV-4C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-601R

Model	Diaphragm Kit	Seat Disc and Diaphragm Kit	Seat Repair Kit	Screen Repair Kit	Push Rod Kit ¹	Sensing Element Kit	Disc Body Kit
V43BV-5C ²	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK11A-602R
V43BV-6C ²	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-601R	ROD18A-603R	SEP88A-601R	DBK11A-602R
V43BV-7C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP88A-601R	DBK10A-601R
V43BV-8C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-601R
V43BV-9C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP88A-601R	DBK10A-601R
V43BV-10C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-601R
V43BW-1C	DPM18A-603R	DSC16A-603R	STT19A-609R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-603R
V43BW-2C	DPM18A-603R	DSC16A-603R	STT19A-609R	SCN10A-601R	ROD18A-602R	SEP88A-601R	DBK10A-603R
V43BW-5C	DPM18A-603R	DSC16A-603R	STT19A-609R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-603R
V43BW-6C	DPM18A-603R	DSC16A-603R	STT19A-609R	SCN10A-601R	ROD18A-602R	SEP88A-601R	DBK10A-603R
V43BW-7C	DPM18A-603R	DSC16A-603R	STT19A-609R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-603R
V43CS-1C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-600R
V43CS-2C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-602R	SEP88A-600R	DBK10A-600R
V43CS-3C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-604R	SEP88A-600R	DBK10A-600R
V43CT-1C	DPM18A-601R	DSC16A-601R	STT19A-605R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-602R
V43CT-2C	DPM18A-601R	DSC16A-601R	STT19A-605R	SCN10A-601R	ROD18A-603R	SEP86A-600R	DBK10A-602R
V43CV-1C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP86A-600R	DBK10A-601R
V43CV-2C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP88A-600R	DBK10A-601R
V243GS-1C	DPM18A-600R	DSC16A-600R	STT19A-602R	SCN10A-600R	ROD18A-600R	SEP90A-600R	DBK11A-600R
V243GT-1C	DPM18A-601R	DSC16A-601R	STT19A-603R	SCN10A-600R	ROD18A-601R	SEP90A-600R	DBK11A-601R
V243GV-1C	DPM18A-602R	DSC16A-602R	STT19A-606R	SCN10A-600R	ROD18A-601R	SEP90A-600R	DBK11A-602R
V243GW-1C	DPM18A-603R	DSC16A-603R	STT19A-608R	SCN10A-600R	ROD18A-600R	SEP90A-600R	DBK11A-603R
V243HS-1C	DPM18A-600R	DSC16A-600R	STT19A-600R	SCN10A-601R	ROD18A-602R	SEP90A-600R	DBK10A-600R
V243HT-1C	DPM18A-601R	DSC16A-601R	STT19A-605R	SCN10A-601R	ROD18A-603R	SEP90A-600R	DBK10A-601R
V243HV-1C	DPM18A-602R	DSC16A-602R	STT19A-607R	SCN10A-601R	ROD18A-603R	SEP90A-600R	DBK10A-602R
V243HW-1C	DPM18A-603R	DSC16A-603R	STT19A-609R	SCN10A-601R	ROD18A-602R	SEP90A-600R	DPK10A-603R

1. Replacement push rod kit requires a seat repair kit or a diaphragm kit when replaced.
2. This valve model, manufactured after date code 8701, contain monel interior trim. Order replacement parts kits listed in Table 2.

Table 2: Replacement Part Kits

Valve Model	Order Parts Kits for:
V43BS-1C	V43BS-6C
V43BS-2C	V43BS-7C
V43BT-1C	V43BT-6C
V43BT-2C	V43BT-7C
V43BV-1C	V43BV-10C
V43BV-2C	V43BV-7C
V43BV-5C	V43BV-10C
V43BV-6C	V43BV-9C

V43 Valve Cutaway

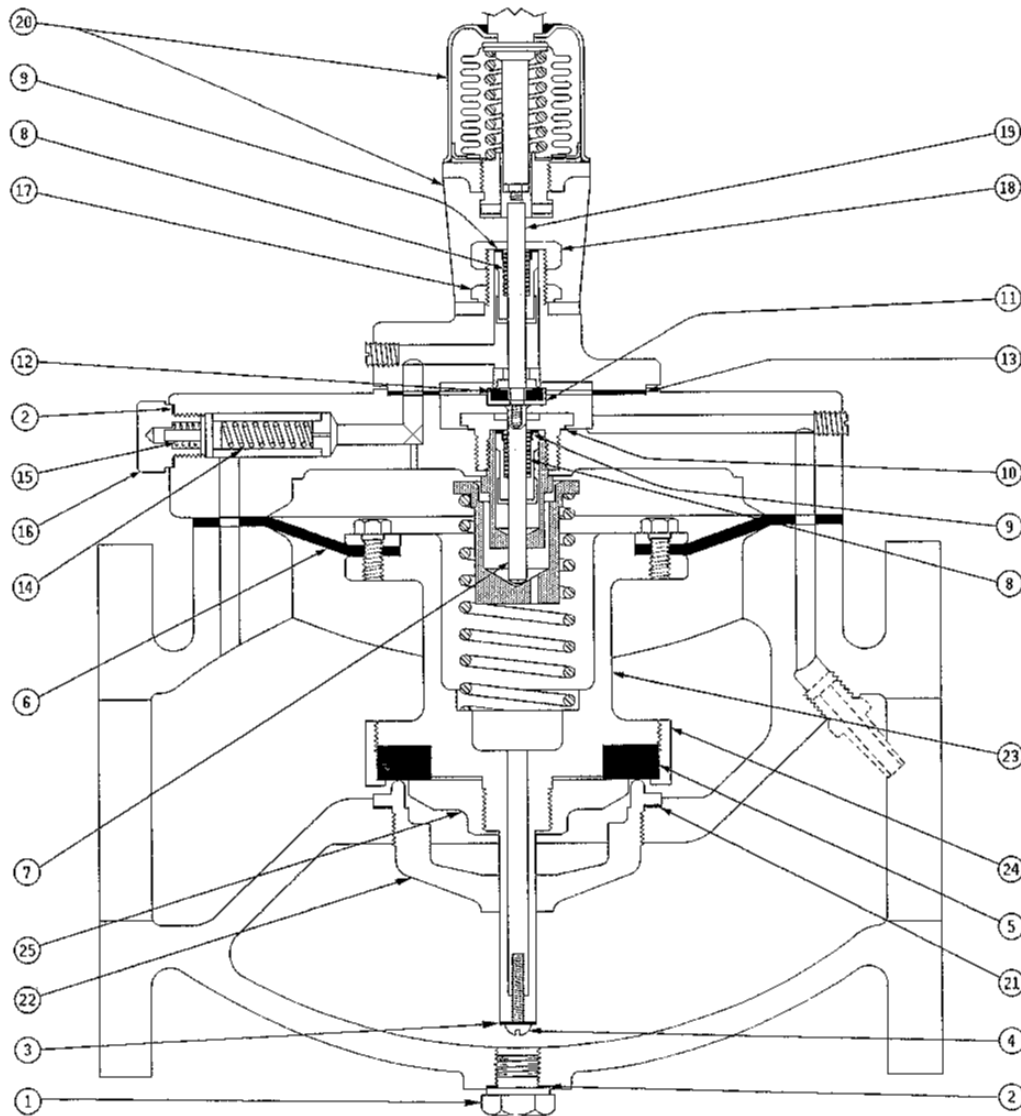


Figure 1: V43 Pressure Actuated Valve Cutaway

Note: The Sensing Element and Yoke (20) for the V43 valve is different for the V243 valve. Other differences include the adjustment bushing, push rod, bellows compression spring, and the machine screws (included in kit). See Figure 2 on page 4 for the V243 Sensing Element and Yoke. The remaining parts of both valves are identical.

See Table 3 on page 5 for a listing of the itemized parts that correspond to the callouts in the illustration.

V243 Sensing Element and Yoke Cutaway

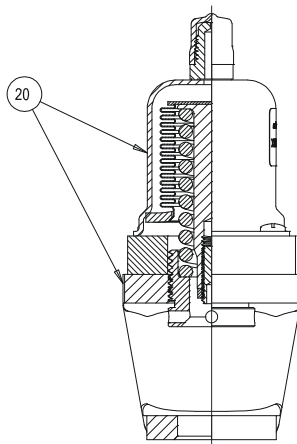


Figure 2: V243 Sensing Element and Yoke

Note: The Sensing Element and Yoke (20) for the V243 valve is different for the V43 valve. Other differences include the adjustment bushing, push rod, bellows compression spring, and the machine screws (included in kit). The remaining parts of both valves are identical.

See Table 3 on page 5 for a listing of the itemized parts that correspond to the callout in the illustration.

Table 3: Parts Kits With Itemized Components

Drawing Guide Numbers		Repair Parts Kits With Components Itemized																																					
Individual Part Description (Complete Kit Must be Ordered That Contains Parts Required)	Diaphragm Kit	Push Rod Kit*						Screen Kit (All Sizes)	Pressure Sensing Element Kit (Fits All Sizes)						Seat Kits, Brass				Seat Kits, Monel				Disc Body Kits, Brass				Disc Body Kits, Monel				Seat Disc And Diaphragm Kits								
		DPM18A-600R	DPM18A-601R	DPM18A-602R	DPM18A-603R	ROD18A-600R	ROD18A-601R		ROD18A-602R	ROD18A-603R	ROD18A-604R	SCN10A-600R (Commercial)	SCN10A-601R (Navy, Maritime)	SEP86A-600R Sweat Conn (R12, R134a)	SEP87A-600R 1/4" FNPT (Ammonia)	SEP88A-600R 1/4" Male Flare (R12, R134a)	SEP88A-601R 1/4" Male Flare (R22, R404A)	SEP90A-600R 1/4" Male Flare (R410A)	STT19A-602R	STT19A-603R	STT19A-606R	STT19A-608R	STT19A-600R	STT19A-605R	STT19A-607R	STT19A-609R	DBK11A-600R	DBK11A-601R	DBK11A-603R	DBK11A-603R		DBK10A-600R	DBK10A-601R	DBK10A-603R	DBK10A-603R				
1 Drain Plug	X	X	X	X	X					X	X																							X	X	X	X		
2 Plug Gasket	X	X	X	X	X					X	X																							X	X	X	X		
3 Drain Screw Gasket	X	X	X	X	X					X	X																							X	X	X	X		
4 Drain Screw	X	X	X	X	X						X																							X	X	X	X		
5 Valve Seat Disc																																			X	X	X	X	
6 Diaphragm	X	X	X	X	X																													X	X	X	X		
7 Main Valve Push Rod Assembly										X	X	X	X	X																									
8 Compression Spring, 2 with Pushrod Kit, 1 with Element Kit										X	X	X	X	X				X	X																				
9 Seal Eyelet (2 Rq'd)										X	X	X	X	X	X			X	X																				
10 Cap Gasket										X	X	X	X	X	X																								
11 Pilot Valve Disc Retainer										X	X	X	X	X	X																								
12 Pilot Valve Seat Disc										X	X	X	X	X	X																								
13 Cap Flange Gasket										X	X	X	X	X	X																								
14 Bypass Screen Assembly																X																							
15 Bypass Compression Spring																X																							
16 Bypass Screen Plug																X																							
17 Lock Nut										X	X	X	X	X	X			X	X																				
18 Seal Nut										X	X	X	X	X	X			X	X																				
19 Pilot Pushrod Assembly																X	X	X	X	X																			
20 Sensing Element and Mounting Yoke Assembly																	X		X																				
21 Seat Gasket																																							
22 Seat Casting																																							
23 Disc Body Casting																																							
24 Disc Retainer																																							
25 Disc Nut Casting																																							

* Also requires a diaphragm kit when replaced
 † Not required for 2" and 1 1/2" valves



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