

Universal Repair Kits For Series V Valves

The Repair Kits listed below contain all the parts necessary to restore a valve to prime operating condition. Because these are universal kits, some parts may not require use in all valves.

Where applicable, solenoid operator parts, not including coils, are also included. Coils may be ordered separately, See heading **Coils** at the bottom of this page.

VALVE SIZE	FOR ALL SERIES V VALVES				
	Hand, Foot, Cam, Pilot Actuated Valves	Solenoid/Pilot Actuated Valves (Nonhazardous Service)*		Diaphragm Actuated Valves	
		2-Position Single Solenoid	2 & 3-Position Double Solenoid	2-Position	2 & 3-Position
1/8 & 1/4	V-4332	V-4332-G	V-4332-GG	V-4302-W-31	V-4302-WW-31
3/8 & 1/2	V-4532	V-4532-G	V-4532-GG	V-4502-W-31	V-4502-WW-31
3/4 & 1	V-4732	V-4732-G	V-4732-GG	V-4702-W-31**	V-4702-WW-31**
1-1/4	V-4732-12	V-4732-12-G	V-4732-12-GG	—	—

*For Hazardous Service Valves, consult factory. **For Diaphragm valves without option 31 use V-4702-W and V-4702-WW respectively.

Seal Material Options

The following seal materials can be specified as an option. Indicate by placing the Suffix Option designation after the appropriate product number shown above.

For example: V-4332 [standard NBR (nitrile) seals] becomes V-4332-155 (fluorocarbon seals).

Suffix Option

- EP EPR (ethylene propylene) elastomeric seals for phosphate ester type hydraulic fluids, acids, weak caustics, methyl ethyl ketone, silicone greases and oils. Consult factory for other uses. Not for petroleum base fluids or lubricants, or hydrocarbon solvents.
- 11 NBR (high nitrile) seals for petroleum base and silicate ester hydraulic fluids, high and low aniline lubricating oils, "sweet" natural gas, ammonia. Static and dynamic seals, except for piston seal, are furnished in special compound. Piston seal is standard.
- 155 FKM (fluorocarbon) elastomeric seals

Solenoid Plunger

One size solenoid plunger fits all Series V or T valves regardless of valve size. Exceptions to this are valves for hazardous service. Consult factory for these items. Solenoid plungers are included in the Universal Repair Kits for solenoid valves. However, should you require only the solenoid plunger you may order same by using the following part number:

- P-1002-08** Standard NBR (nitrile) seal
- P-1002-08-3** FKM (fluorocarbon) seal (Suffix Option -3 & -155)
- P-1002-08-11** NBR (high nitrile) seal (Suffix Option -11)
- P-1002-08-EP** EPR (ethylene propylene) seal (Suffix Option -EP)

Coils

One size coil fits all Series V or T valves regardless of valve size. Exceptions to this are valves with suffix options -HC, -P, -PC, -PS & valves for hazardous service. Consult factory for these items. To specify a coil as a single part use the following part number:

P-1002-02-(Coil Code from Page 9).

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For example, to indicate a standard 120v60 coil, the part number would be P-1002-02-A120.

SOLENOID/PILOT — COIL SPECIFICATIONS

COIL COVER — Standard provides 1/2" NPT female conduit connection.

Use Suffix –243 for grommated housing with wire leads.

Use Suffix –HC or –HCC for DIN style coil connector.

COILS — Standard coil lead lengths are at least 24" (60cm). Consult factory for availability of longer lead lengths

CONTINUOUS DUTY COIL VOLTAGES*

SERIES	SOLENOID OPERATOR (Service & Type)		AC					DC								
			Voltage	Coil Code #	Inrush Amp	Holding Amp	Ohm	Voltage	Coil Code#	Amp-Inrush & Holding	Ohm					
V & T	ORDINARY or HAZARDOUS	Standard, Suffix -243, Suffix -P, Suffix -XX	24/60	A024	1.30	0.82	6	6 12 24 48 125	D006 D012 D024 D048 D125	1.54 0.78 0.38 0.19 0.08	4 16 63 249 1675					
			120/60	A120	0.26	0.16	146									
			240/60	A240	0.13	0.08	593									
			480/60	A480	0.07	0.04	2365									
			24/50	E024	1.05	0.67	9									
			110/50	F120	0.23	0.15	193									
			230/50	E230	0.11	0.07	700									
	E240	0.11	0.07	876												
	ORDINARY DIN	Suffix -HC or -HCC	120/60	A120	0.20	0.16	205	12 24 48	D012 D024 D048	0.86 0.44 0.21	14 55 225					
			240/60	A240	0.13	0.08	845									
			110/50	E110	0.20	0.16	205									
			220/50	E220	0.13	0.08	845									
	HAZARDOUS	[(d) Flameproof]	Low Watt Suffix-3567 Suffix-3567 -LB-XN	12/60	A012	0.58	0.30	11	6 12 24 48 120	D006 D012 D024 D048 D120	0.32 0.16 0.08 0.04 0.02	19 75 312 1337 7815				
				24/60	A024	0.20	0.15	43								
				48/60	A048	0.14	0.07	175								
				120/60	A120	0.06	0.03	1085								
				240/60	A240	0.03	0.02	5050								
	[(d) Flameproof] [(e) Increased Safety]	Suffix -XDBS** or -XDBT**	120/60	A120				12 24 48 110 220	D012 D024 D048 D110 D220							
			240/60	A240												
110/50			E127													
220/50			E230													
[(d) Flameproof]	Suffix -XN	24/60	A024	0.63	0.38	19	6 12 24 48 125	D006 D012 D024 D048 D125	1.30 0.63 0.32 0.16 0.06	5 19 295 2030						
		120/60	A120	0.13	0.08	475										
		240/60	A240	0.06	0.04	2000										
		24/50	E024	0.61	0.37	25										
		110/50	E110	0.13	0.08	475										
		220/50	E220	0.07	0.04	2030										
		240/50	E240	0.06	0.04	2714										
		[(ia) Intrinsic Safe]	Suffix -HC-XISC, -HCC -XISC Suffix -HC-XISX6, -HCC -XISX6 Suffix -XIFA, -XIFE, -XIFF	—	—	—					—	—	24	D024	—	—
				—	—	—					—	—				
				—	—	—					—	—				
[(m) Encapsulation] [(e) Increased Safety]	Suffix -XMFA, -XMFE -XMFF, -XMFG Suffix -XMAA, -XMAE, -XMAF, -XMAG	—	—	—	—	—			—	—						
		—	—	—	—	—										

* Coils for voltages other than those listed above, may be available.
Class H (Suffix –HT) coils are available for both ordinary and hazardous service.
Contact factory for availability and delivery information.