

RECOMMENDED SPARE PARTS: ELECTROMATIC® RELIEF VALVES

PART NAME	TYPE VALVES								QUANTITY PARTS/ VALVES (MINIMUM)	QUANTITY PARTS/ VALVES (MAXIMUM)	PREDICTED AVAILABILITY
	1538VX	1538VC	1533VX	1533D	1538HE	2520	2521VX	2533VX			
CLASS I											70%
Pilot Valve											
1. Disc Assembly	x	-	x	x	x	-	-	-	1/3	1/1	
1a. Disc	x	x	x	x	x	x	x	x	1/3	1/1	
1b. Stem	x	x	x	x	x	x	x	x	1/3	1/1	
1c. Retainer Ring	x	x	-	-	-	x	x	x	2/3	2/1	
2. Spring	x	x	x	x	x	x	x	x	1/4	1/2	
3. Seat Bushing Gasket	x	x	x	x	-	x	x	x	2/3	2/1	
3a. Expansion Gasket	x	x	-	-	-	x	x	x	1/3	1/1	
3b. Base Gasket	-	-	-	-	-	x	-	-	1/3	1/1	
Main Valve											
4. Disc	x	x	x	x	x	-	x	x	1/4	1/2	
4a. Piston Rings (2)	-	-	x	-	-	-	-	-	2/3	2/1	
5. Spring	x	x	x	x	-	-	-	-	1/4	1/2	
6. Guide Gasket	-	-	x	-	-	-	-	-	1/3	1/1	
7. Top Flange Gasket	-	-	-	x	x	-	-	-	1/3	1/1	
8. Seal Ring	x	x	-	-	-	-	x	-	1/3	1/1	
8a. Follower Ring	x	x	-	-	-	-	-	-	1/8	1/5	
CLASS II											85%
Pilot Valve											
9. Seat Bushing	x	x	x	-	x	x	x	x	1/4	1/2	
10. Spring Cover	x	x	x	x	x	x	x	x	1/8	1/5	
Main Valve											
11. Guide Retaining Plug	-	x	-	-	-	-	-	-	1/5	1/3	
11a. Retaining Lock Screw	-	x	-	-	-	-	-	-	1/3	1/1	
11b. Lockwasher-Ret. Screw	-	x	-	-	-	-	-	-	1/3	1/1	
11c. Lockscrew	-	x	-	-	-	-	-	-	1/3	1/1	
11d. Lockwasher-Lock Screw	-	x	-	-	-	-	-	-	1/3	1/1	
11e. Sealing Wire (1ft.)	-	x	-	-	-	-	-	-	1/8	1/5	
12. Seat Bushing	x	-	-	-	-	x	x	x	1/8	1/5	
CLASS III											95%
Pilot Valve											
13. Seal Ring	x	x	-	-	-	-	-	-	1/8	1/5	
13a. Follower Ring	x	x	-	-	-	-	-	-	1/8	1/5	

Electromatic® Relief Valve Spare Parts Reference List 2-1/2" 1538VX

DESIGN

Part Description	-1	-2	-3	-4	-5	-6	-7	-9	-10
CLASS I									
Pilot Valve									
1. Disc Assy.	VFG815	VFG815	VFG815	VFG815	VFG815	VFG815	VFG815	VFG815	None
1a. Disc	VGL815	VGL815	VGL815	VGL815	VGL815	VGL815	VGL815	VGL815	4274601
1b. Stem	WA870	WA870	WA870	WA870	WA870	WA870	WA870	WA870	4274701
1c. Retainer Ring									2410802
2. Spring	(OA84IX)	(OA84IX)	(OA84IX)	(OA84IX)	(OA84IX)	(OA84IX)	(OA84IX)	(OA84IX)	(OA84IX)
3. Seat Bushing Gasket	3831009	3831009	3831009	3831009	3831009	3831009	3831009	3831009	3830714
3a. Expansion Gasket									3830442 (3830742)
Main Valve									
4. Disc	0752701	0752701	0752701	0752701	0752701	0752701	0752701	0752701	0752701
	4076401	4076401	4076401	4076401	4076401	4076401	4076401	4076401	4076401
5. Spring	0170MP	0170MP	0170MP	0170MP	0170MP	0170MP	0170MP	0170MP	0170MP
6. Seal Ring	0916777	0916777	0916777	0916777	1886801	1886801	4150501	4150501	4150501
6a. Follower					1886701	1886701			
CLASS II									
Pilot Valve									
7. Seat Bushing	0729101	0729101	0729101	0729101	0729101	0729101	0729101	0729101	4274801
8. Spring Cover	VA808A	VA808A	VA808A	VA808A	VA808A	VA808A	VA808A	VA808A	VA808
Main Valve									
9. Seat Bushing	1234901	1234901	1234901	1234901	1889301	1889301	1889301	4153101	0153101
CLASS III									
Pilot Valve									
10. Seal Ring	0728601	0728601	0728601	0728601	0728601	1889801	1889801	4156601	
10a. Follower						1889901	1889901		
11. Guide	0728901	0728901	0728901	0728901	0728901	0728901	0728901	0728901	
Main Valve									
12. Guide	0728201	0728201	0728201	0728201	0728201	0728201	0728201	0728201	0728201
CLASS IV									
Pilot Valve									
13. Tube	0729301	0729301	0729302	0729302	0729302	0729302	0729302	0729302	0729302
14. Turnbuckle**			1650301	1650301	1650301	1650301	1650301	1650301	1650301
15. Plug	0728801	0728801	0728801	0728801	0728801	1890301	1890301	4156501	

** Instead of Turnbuckle use Spacers (2) P/N 0729201, Pilot Spacer Stud (2) P/N 0729401, Stud Spacer (4) P/N 0731301, Spacer Stud Nut (2) P/N 2200711.
Contact Factory for price quotation.

Electromatic® Relief Valve Spare Parts Reference List 2-1/2" 1538VX

DESIGN

Part Description	-1	-2	-3	-4	-5	-6	-7	-9	-10
CLASS IV									
16. Pilot Plug Seat Ring Retr.	0728701				1650101			4157601	
17. Retainer Stud Nut	2200704		2920202			2200701			
18. Vent					VLL227				
19. Vent Pipe Ell					0778501				
20. Vent Pipe Nipple					0778601				
21. Solenoid Bracket					VBB287				4275001
22. Solenoid Bracket Cover					4280504				
23. Operating Lever					4307301				
24. Operating Lever Pin Assy.					VA814				
25. Solenoid Plunger Head					VE869				
26. Pilot Stem Adj. Screw					VA899				
26a. Lock Nut					2210416				
26b. Lockwasher					SSSS987Z				
27. Solenoid Bracket Nut					SSSS132Z				2200207
Main Valve									
28. Collar Stud Nut (12)					2200707				
29. Stop Washer						1654701			

Electromatic® Relief Valve Spare Parts Reference List 2-1/2" 1533VX

DESIGN

Part Description	-1	-2	-3	-4	-5				
CLASS I									
Pilot Valve									
1. Disc Assy.			VFG815						
1a. Disc			VGL815						
1b. Stem			WA870						
2. Spring			VA242						
3. Seat Bushing Gasket			3831014						
Main Valve									
4. Disc	1635101		4237001		4285601				
4a. Piston Rings (2)	1840101			None					
5. Spring (1)			0-871X (0-871XH)						
6. Guide Gasket			3830415						
CLASS II									
Pilot Valve									
7. Seat Bushing			1645501						
8. Spring Cover			VA808A						
Main Valve									
9. Guide Retaining Plug	1635301*		4236002		4286101				
9a. Retaining Lock Screw	1840201			None					
9b. Lockwasher -Ret. Screw		SSSS988		None					
9c. Lock Screw		2520205		None					
9d. Lockwasher Lock Screw	1802301			None					
9e. Sealing Wire (1ft.)			0381204						
9f. Locking Plate			4236101	4286001	4301901				
9g. Hex Castle Nut				2630302	None				
9h. Cotter Pin	-	-	-		2220217				
CLASS III									
Main Valve									
10. Guide	1635201		4235901		4285901				
CLASS IV									
Pilot Valve									
11. Vent	VLL227			None					
12. Vent Pipe Ell			0778501						

Note: (1) Old part numbers will eventually be replaced by the new part numbers shown in ().

* Obsolete - Part no longer available.

Electromatic® Relief Valve Spare Parts Reference List 2-1/2" 1533VX

DESIGN

Part Description	-1	-2	-3	-4	-5				
CLASS IV									
13. Vent Pipe Nipple			0778601						
14. Solenoid Bracket			VBB287						
15. Solenoid Bracket Cover			4280504						
16. Operating Lever	4307301			VHH872					
17. Operating Lever Pin Assy.			VA814						
18. Solenoid Plunger Head			VE869						
19. Pilot Stem Adj. Screw			VA899						
19a. Lock Nut			2210416						
19b. Lockwasher			SSSS987Z						

Note: (1) Old part numbers will eventually be replaced by the new part numbers shown in ().

Electromatic® Relief Valve Spare Parts Reference List
2-1/2" 1538VC

Part Description	-10		-11
CLASS I			
Pilot Valve			
1. Disc	0779501		4274601
2. Stem	4168301		4274701
2a. Retainer Ring			2410802
3. Spring	VA242 OA84IX		VA242 OA84IX
4. Seat Bushing Gasket	3831009		3830714
4a. Expansion Gasket			3830742
Main Valve			
5. Disc	0752701		0752701
6. Spring	4076401 0170MP		4076401 0170MP
7. Seal Ring	4150501		4150501
CLASS II			
Pilot Valve			
8. Seat Bushing	4167801		4274801
9. Spring Cover	VA808		VA808
Main Valve			
10. Seat Bushing	4155301		4155301
CLASS III			
Pilot Valve			
11. Seal Ring	4156601		
12. Guide	0779401		
Main Valve			
13. Guide	0728201		0728201
CLASS IV			
Pilot Valve			
14. Tube	0784605		0784605
15. Turnbuckle	1692601		1692601
16. Plug	4156801		
17. Seal Ring Retainer	4157501		

- Notes: 1. Designs (-1) through (-9) on application only.
Majority of valves in field converted to current 1/4" "C" Seal Ring.
2. The (-10) design incorporates the following:
- A. 1/4" "C" Seal Ring (Main Valve)
 - B. One piece Pilot Valve Stem
 - C. 1/4" "C" Seal Ring (Pilot Valve)

Electromatic® Relief Valve Spare Parts Reference List
2-1/2" 1538VC

Part Description	-10		-11
18. Retainer Stud Nut (6)	2200705		
19. Vent	VLL227		VLL227
20. Vent Pipe Ell	0778501		0778501
21. Vent Pipe Nipple	0778601		0778601
22. Solenoid Bracket	VBB287		4275001
23. Bracket Cover	4280504		4280504
24. Operating Lever Pin Assy.	VA814		VA814
25. Solenoid Plunger Head	VE869		VE869
26. Pilot Stem Adj. Screw	VA899		VA899
26a. Locknut	2210416		2210416
26b. Lockwasher	SSSS987Z		SSSS987Z
27. Solenoid Bracket Nut	SSSS132Z		SSSS132Z
Main Valve			
28. Collar Stud Nut (2)	2200711		2200711
29. Stop Washer	1654701		1654701

- Notes: 1. Designs (-1) through (-9) on application only.
Majority of valves in field converted to current 1/4" "C" Seal Ring.
2. The (-10) design incorporates the following:
- A. 1/4" "C" Seal Ring (Main Valve)
 - B. One piece Pilot Valve Stem
 - C. 1/4" "C" Seal Ring (Pilot Valve)

Electromatic® Relief Valve Spare Parts Reference List
2-1/2" 1533D - 1538D

Part Description	PART NO.	
CLASS I		
Pilot Valve		
1. Disc Assy. (Not R Design)	VE815	
2. Disc Assy. (R Design)	VFG815	
2a. Disc	VGL815	
2b. Stem	WA870	
3. Spring	OA841X	
4. Seat Bushing Gasket	3831014	
Main Valve		
5. Disc (Standard Lift)	VGS815	
6. Disc (Restricted Lift)	VHD815	
7. Top Flange Gasket	SSSS1003	
CLASS II		
Pilot Valve		
8. Seat Bushing (R Design)	VPP866	
9. Seat Bushing (R-22 Design)	1645501	
10. Spring Cover	VA808A	
CLASS III		
Pilot Valve		
11. Guide (R Design)	VAK832	
Main Valve		
12. Guide	VD832	

Electromatic® Relief Valve Spare Parts Reference List
2-1/2" 1538HE

Part Description	PART NO.	
CLASS I		
Pilot Valve		
1. Disc Assy.	VFG815	
1a. Disc	VGL815	
1b. Stem	WA870	
2. Spring	VW242	
Main Valve		
3. Disc (Standard Lift)	VGP815	
4. Disc (Restricted Lift)	VGQ815	
5. Top Flange Gasket	VR822E	
CLASS II		
Pilot Valve		
6. Spring Cover	VA808	
CLASS III		
Pilot Valve		
7. Guide	VAK832	
7a. Guide Bushing	VW260	
Main Valve		
8. Guide	VAJ832	

Electromatic® Relief Valve Spare Parts Reference List
1-1/2" 2520

PART DESCRIPTION	DESIGN
	-1
CLASS I	4305701
1. Disc	4305601
2. Spindle	2410802
3. Retainer Ring	3830714
4. Seat Bushing Gasket	3830742
5. Solenoid Bracket Gasket	3721105
6. Base Gasket	OA841IX
7. Spring	
CLASS II	
8. Spring Cover	VA808
9. Seat Bushing	4305801
CLASS IV	
10. Solenoid Bracket	4275001
11. Bracket Cover	4280504
12. Operating Lever	4952901
13. Operating Lever Pin Assy.	VA814
14. Solenoid Plunger Head	VE869
15. Pilot Stem Adj. Screw	4953301
15a. Lock Nut	2210416
15b. Lock Washer	2010208

Electromatic® Relief Valve Spare Parts Reference List 2-1/2" 2521VX

DESIGN

Part Description	-1	-2
CLASS I		
Pilot Valve		
1. Disc	4274601	4274601
2. Stem	4274701	4274701
2a. Retainer Ring	2410802	2410802
3. Spring	OA841X	
4. Seat Bushing Gasket	3830714	3830714
4a. Expansion Gasket (Solenoid Bracket)	3830742	3830742
Main Valve		
5. Disc	4313101	4364101
6. Seal Ring	7015608	7015608
CLASS II		
Pilot Valve		
7. Seat Bushing	4274801	4274801
8. Spring Cover	VA808	VA808
Main Valve		
9. Lock Washer	SSSS988	SSSS988
10. Stop Washer	4313301	4313301
CLASS III		
11. Guide	4312901	4312901
12. Seat Bushing	4312301	Select Orifice From Chart
CLASS IV		
13. Vent	VLL227	VLL227
14. Vent Pipe Ell	0778501	0778501
15. Vent Pipe Nipple	0778601	0778601
16. Solenoid Bracket	4275001	4275001
17. Bracket Cover	4280504	4280504
18. Operating Lever	4307301	4307301
19. Operating Lever Pin Assy.	VA814	VA814
20. Solenoid Plunger Head	VA869	VA869
21. Pilot Stem Adj. Screw	4305301	4305301
21a. Lock Nut	2210416	2210416
21b. Locker Washer	SSSS987Z	SSSS987Z

2520 Electromatic® Relief Valve Spare Parts Reference List
Main Valve Seat Bushing Selection For
2521VX (15) (25) (-2) Design

PART NO.	ORIFICE
4312301	3/4"
4312302	25/32"
4312303	13/16"
4312304	27/32"
4312305	7/8"
4312306	29/32"
4312307	15/16"
4312308	31/32"
4312309	1"

Electromatic® Relief Valve Spare Parts Reference List 2-1/2" 2533VX (-1) Design

Part Description	PART NO.	
CLASS I		
Pilot Valve		
1. Disc	4274601	
2. Stem	4274701	
2a. Retainer Ring	2410802	
3. Spring	OA84IX	
4. Seat Bushing Gasket	3830714	
4a. Expansion Gasket	3830742	
Main Valve		
5. Disc	4324301	
6. Spring	087MP	
7. Seal Ring	7015609	
CLASS II		
Pilot Valve		
8. Seat Bushing	4274801	
9. Spring Cover	VA808	
Main Valve		
10. Seat Bushing	4324101	
CLASS II		
Main Valve		
11. Guide	4323901	
CLASS IV		
Pilot Valve		
12. Tube	0784605	
13. Turnbuckle	1692601	
14. Vent	VLL227	
15. Vent Pipe Ell	0778501	
16. Vent Pipe Nipple	0778601	
17. Solenoid Bracket	4275001	
18. Bracket Cover	4280504	
19. Operating Lever Pin Assy.	VA814	
20. Solenoid Plunger Head	VA869	

Electromatic® Relief Valve Spare Parts Reference List
2-1/2" 2533VX (-1) Design

Part Description	PART NO.	
21. Pilot Stem Adj. Screw	4305301	
21a. Locknut	2210416	
21b. Lockwasher	SSSS987Z	
22. Solenoid Bracket Nut	2200701	
Main Valve		
23. Collar Stud Nut (2)	2200711	
24. Stop Washer	4324601	