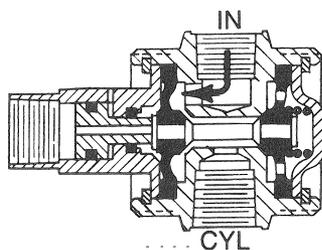


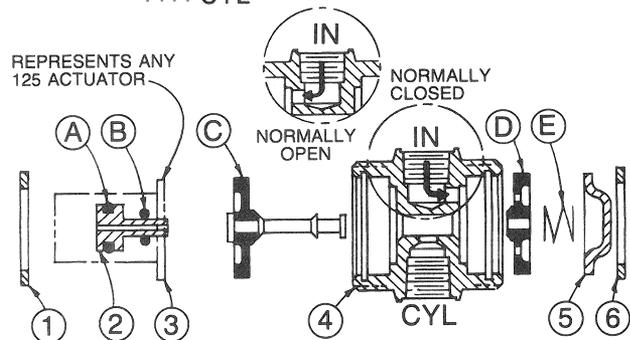
Seals Repair Kits and Parts

Sample SRK Instruction Sheet



Seals Repair Kits are available to repair many Humphrey valves. Kits contain necessary parts and detailed instructions. Kits are sealed in plastic bags for cleanliness and protection. Kits are stocked by Humphrey valve representatives worldwide.

Models for which no Seals Repair Kits are available may be repaired with individual parts ordered from the parts list.



DISASSEMBLY PROCEDURE

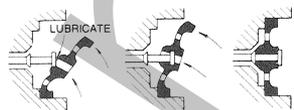
1. Remove Retaining Ring **6**, End Cap **5** and Spring **E**.
2. Remove Diaphragm **D** as SHOWN.
3. Remove Retaining Ring **1**, Actuator **3**.



4. Remove Piston **2** from Actuator **3** (On 125A Normally Open Only).
5. Remove "O" Rings **A & B** from Piston **2** and Actuator **3** (On 125A Normally Open Only).
6. Remove Main Stem and Diaphragm Assembly **C** NOTING relationship to "IN" port to assure correct reassembly.

REASSEMBLY PROCEDURE

1. Insert New Main Stem and Diaphragm Assembly **C** into Valve Body **4** in correct relationship to "IN" port.
2. Assemble New Diaphragm **D** to main stem as SHOWN.



3. Add New Spring **E**, End Cap **5** and Retaining Ring **6**.
4. Add New "O" Rings **A & B** to Piston **2** and Actuator **3** (125A Normally Open Valve Only).
5. Lubricate and Assemble Piston **2** to Actuator **3** (125A Normally Open Valve Only). Use CARE when sliding piston over threads.
6. Assemble Actuator **3** to Valve Body **4** with Retaining Ring **1**.

NOTE: "O" Rings A & B are used on 125A Normally Open Valve with Booster ONLY. Short Spring E is used in 125A Normally Closed Only.

NUMBER	REPAIRS MODELS
SRK42A	M/S/42A, P
SRK42A2	M/S/42E/AE2/LW A2 PA, PP
SRK42E	M/S/42E/AE2/LW
SRK125A	125A, B, or -HO
SRK125LA	125LA, or 125AH
SRK125MC	125MC, MP, MOC or T(N/O)
SRK125P	125C, T (Old Style), or P
SRK125PLG	125PLG
SRK125V	125V, B, or T(N/C) N.S.
SRK250	250C, F, P, T, O.S. & 250-4F** or H**
SRK250A	250A (N/C), AE1 or AE2 & 250-4A (N/C Side)
SRK250A N/O	250A (N/O), 250-4A & AA (N/O Side)
SRK250AA	250AA & 250-4AA (N/C Side)
SRK250E	250E1, E2, & 250-4E1** or E2**
SRK250T	250T (New Style)
SRK250v	250B, SV, or V
SRKVA250	VA250A, AE1 or AE2
SRK500	500/590A, AB, AE1 OR AE2
SRK500E	500E1 & E2 OR 590E1 & E2
SRKVA500	V500C, VA500A, AE1 & AE2 or VA590A, AE1 & AE2
SRK501A	501A, AA, -4A*, -4AA**, -4E1** or -4E2**
SRK501E	501E & 501E2
SRKSQE	SQE1, 2
SRKQE	QE1, QE2, & QE3
SRKQE45	QE4 & QE5

**Order 2 kits to repair both sides of these valves.

Seals Repair Kits can be ordered with fluor elastomer at additional charge. Specify w/ VAI when ordering.
Example: SRK 125A w/ VAI

Main Stem &
Top Diaphragm Assembly

NO.	DESCRIPTION	(Diaph. Pt. No.)
2-20A	125A	
2-21A	125AA	
2-30A	250(-4)	
2-39A	250AA, 250-4AA N/C Side	(#3-19)
2-39B	250AA	(#3-20)
2-40A	VA, 250A, 250-4A (N/C Side)	(#3-19)
2-40C	VA, 250A, 250-4A (N/C Side)	(#3-23)
2-40D	VA, 250A	(#3-20)
2-55A	250AL/AH	
2-56A	125LA (w/Orifice wire) & 125AH	
2-70A	500/590A	
2-70C	500A w/FKM*	
2-70D	500/590 AG w/FKM*	
2-80A	125INS-A	
2-302A	250 (-4) A & N/O	(#3-19)
2-302E	250A N/O	(#3-20)

Solid Diaphragms

NO.	DESCRIPTION	DOT COLOR
3-10	125's 74D. Buna "N"	None
3-11	125's 80D. Buna "N"	Red
3-101	125's 70D. FKM*	White
R-510	1/8" Glue Valve, Teflon Profile	None
3-19	250 (-4) 70D. Polyurethane	All Green
3-20	250 (-4) 70D. Buna "N"	None
3-22	250 (-4)'s 50D. Buna "N"	Yellow
3-23	250 (-4)'s 70D. FKM*	White
3-25	500/590's 50D. Buna "N"	Yellow
3-30	500/590's 80D. Buna "N"	Red
3-32	500/590's 70D. FKM*	White
3-202	250's 80D. Buna "N"	Red
3-221	250 (-4)'s 65D. FKM*	Blue
3-55A	250AH - Rolling Diaph. Assy.	None
3-56A	250AL - Rolling Diaph. Assy.	None
3-60A	125LA Top Diaph.	None
3-63A	125AH - Top Diaph.	None

Perforated Diaphragms

NO.	DESCRIPTION	DOT COLOR
4-10	125's 74D. Buna "N"	None
4-11	125's 80D. Buna "N"	Red
4-101	125's 70D. FKM*	White
4-20	250 (-4)'s 70D. Buna "N"	None
4-22	250 (-4)'s 70D. FKM*	White
4-25	500/590's 50D. Buna "N"	Yellow
4-30	500/590's 70D. Buna "N"	None
4-32	500/590's 70D. FKM*	White
4-34	500/590's 80D. Buna "N"	Red
4-201	250 (-4)'s 50D. Buna "N"	Yellow
4-202	250 (-4)'s 80D. Buna "N"	Red
4-221	250 (-4)'s 65D. FKM*	Blue
R-456-1	Use Pt. #4-22	

Quad Rings & "V" Seals

NO.	DESCRIPTION
43-60	Piston, 250 (-4) A N/O

"O" Rings

NO.	DESCRIPTION
90-10	250 (-4). Body, Y125IN, Stem Y250IN
90-31	Piston, 125A w/Booster
90-50	Piston Rod, All Boosters
90-60	Stem, Y125IN
90-64	Body, 250IN
90-79	End Cap, 501 (-4)
90-90	Body, 125INS
90-92	Piston, 501 (-4)
90-93	125LA
90-95	500/590AB, AG - Buna "N"
90-130	500/590AB, AG -FKM*
90-502	250-4A, AA End Cap
90-504	Body, Y250IN
90-505	Body, Y500IN
90-602	Body, 125INL, Pilot Cap 125AH

Main Stems

NO.	USED ON
2-62	501A & (-4) A
2-64	501 (-4) AA
R550-1	R561

Diaphragm Supports

NO.	USED ON
5-10	250 (-4)
5-20	500

Open End Caps

NO.	USED ON
6-20	125A N/C
6-40	250A N/C
6-68	500/590AB
6-90	500 & 590A

Pilot Booster Assembly

NO.	USED ON
6-21A	125A
6-66A	500/590AB FKM*
6-66B	500/590AB Buna "N"
6-403A	250A
6-404A	Piston & Seals 250A

Plungers

NO.	USED ON
6-67	500/590AB
6-523	125LA
6-524	125AH

Closed End Caps

NO.	USED ON
7-10	125
7-20	250 (-4)
7-30	500 & 590
7-35	501 (-4)

Bases w/Screws

NO.	USED ON
8-10	125
8-12A	QE4, 5 Bracket
8-13	125 Side Mount
8-20A	250
8-40A	250-4
8-50A	501
8-1A	QE 1, 2 & 3
8-15A	062 + 125

Springs

NO.	USED ON
81-10	125A N/O
81-11	125INS, INL
81-13	125A N/C
81-60	501 (-4)
81-201	250-4A, Y250IN
83-11	125AH Plunger
85-10	500A, 250-4A N/O
81-20	250A N/C, AL
85-104	VA500

Gaskets

NO.	USED ON
89-10	501-4

Retaining Rings

NO.	USED ON
91-10	125
91-20	250 (-4) & 501 (-4)
91-30	500 & 590

Panel Mounting Nuts

NO.	USED ON
120-301	125

Plugs

NO.	USED ON
130-15	1/4 NPT
130-20	1/2 NPT
130-24	3/4 NPT
130-31	1/8 NPT

*Fluoroelastomer