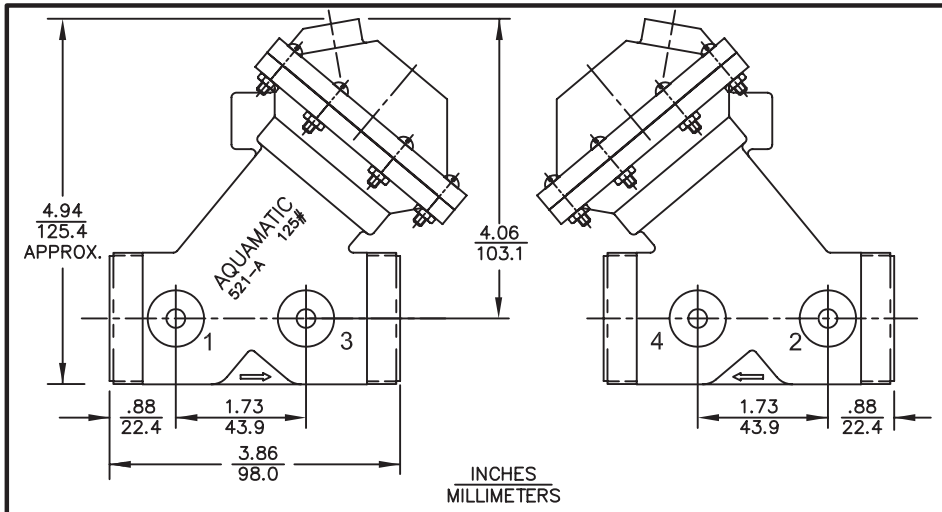
K521 DIAPHRAGM VALVE - STANDARD MODEL



INCHES
MILLIMETERS

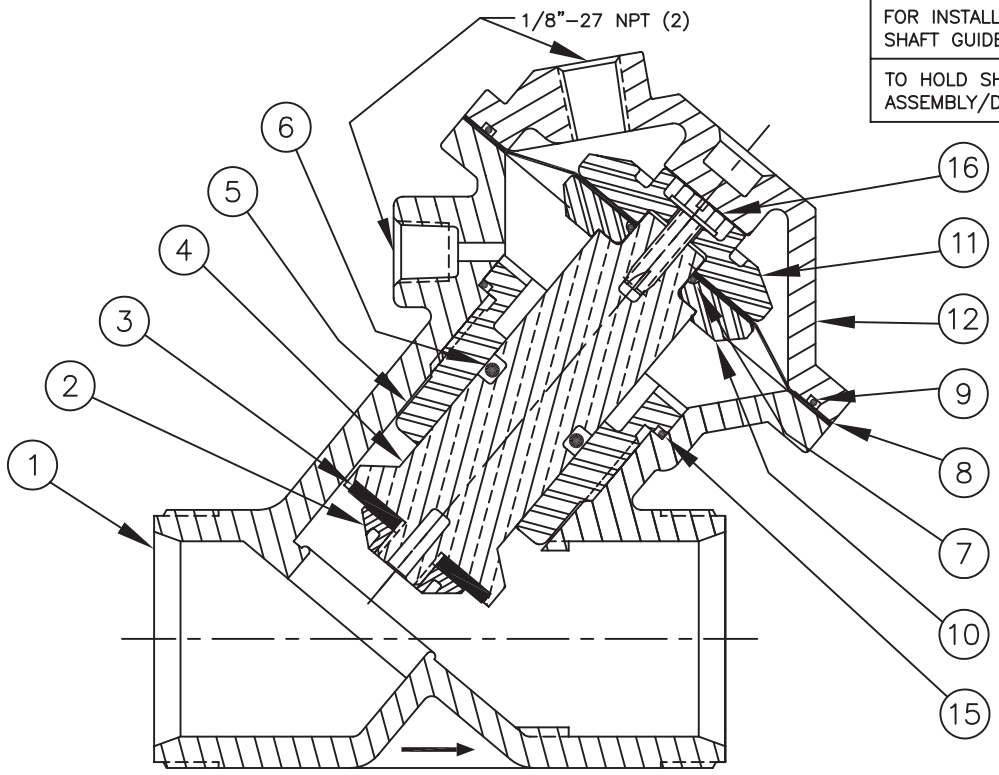
REPAIR PARTS KITS

DESCRIPTION	PART NO.	
DIAPHRAGM & SEALS KIT CONSISTS OF ITEM NO'S 3,6,7,8,9,15	1081792 (521-RAN) E.P.D.M. INCLUDES DIAPHRAGM 1075028 (521-FB)	1081791 (521-RAJN) BUTYL INCLUDES DIAPHRAGM 1075028 (521-FB)
	1081796 (521-RAVN) FKM INCLUDES DIAPHRAGM 1075028 (521-FB)	1081795 (521-RAVFVN) FKM INCLUDES DIAPHRAGM 1075029 (521-FV)
INT. PARTS KIT (NORM. OPEN) CONSISTS OF ITEM NO'S 2,4,5,10,11,16	1079621 (K521-RFN)	

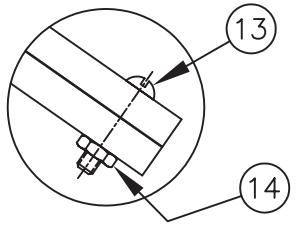
ASSEMBLY TOOLS

DESCRIPTION	PART NO.
FOR INSTALLATION & REMOVAL OF SHAFT GUIDE (ITEM #5)	1075059 (521-Z)
TO HOLD SHAFT (ITEM #4) DURING ASSEMBLY/DISASSEMBLY	1077837

NO.	DESCRIPTION		PART NO.	QTY.
1	BODY		1075007 (521-AK)	1
2	DISC PLATE NUT		1075845	1
3	DISC	E.P.D.M.	1077814	1
		BUTYL	1077815	
		FKM	1077816	
4	SHAFT		1075842	1
5	SHAFT GUIDE (NORYL)		1075030 (521-GN)	1
6	O-RING	E.P.D.M.	1242717 (ORJ-208)	1
		BUTYL	1071775 (ORJ-208)	
		FKM	1242393 (ORJ-208)	
7	O-RING	E.P.D.M.	1071718 (ORE-014)	1
8	DIAPH.	BUNA N	1075028 (521-FB)	1
		FKM	1075029 (521-FV)	
9	O-RING	BUNA N	1071715 (ORB-805)	1
10	LWR DIAPH. PLATE		1075844	1
11	UPR DIAPH. PLATE		1075843	1
12	CAP		1075012 (521-BOK)	1
13	RD. HD. MACH. SCR.		1072380 (SCS-0095)	8
14	HEX NUT		1071648 (NUS-0006)	8
15	QUAD-RING	ETH. PROP.	1071942 (QRE-029)	1
		BUTYL	1071943 (QRJ-029)	
		FKM	1071944 (QRV-029)	
16	SCREW		1077783	1



UPDATED O-RING P/N'S 1635



SEE FORM 1078142 FOR UNION END CONNECTORS AND GROOVED ADAPTORS

SEE REVERSE SIDE FOR CONFIGURATION OPTIONS

1070154 (K521-X200-14000)

NORMALLY OPEN (STANDARD)

FORM NO. 1077654

REV	DESCRIPTION	ECO	DWN	DATE	APVD
F	UPDATED O-RING P/N'S	1635	MSM	12JAN06	

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SERIES 521 DIAPHRAGM VALVE
3/4" & 1" PIPE SIZE

DRAWN	DATE	DRAWING NO.
JWB	25Apr01	1084003

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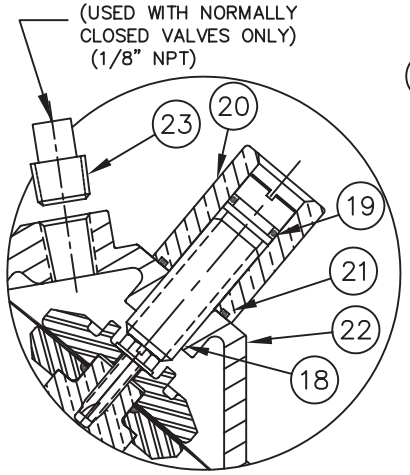
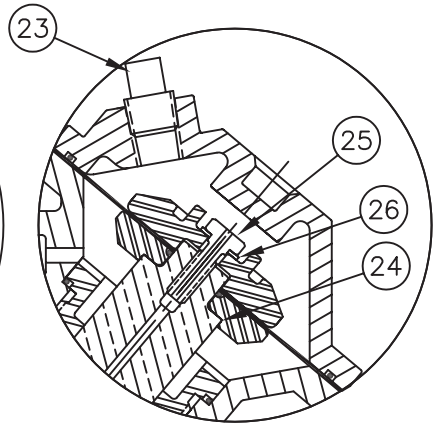


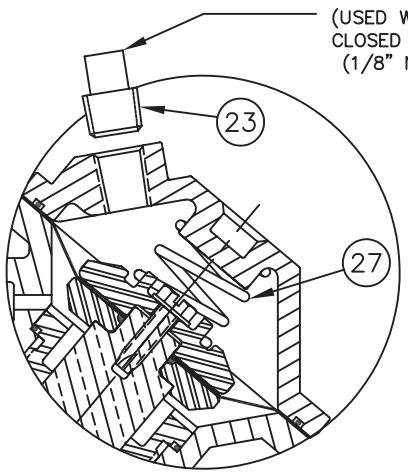
1070155 (K521–X210–14000)

LIMIT STOP



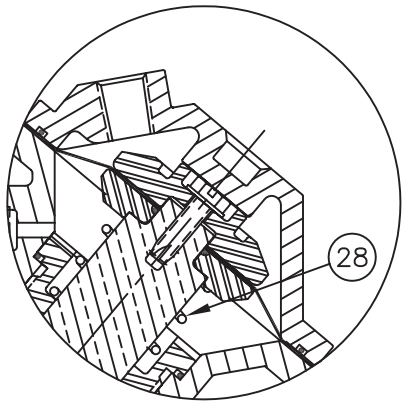
1070159 (K521–X230–14000)

NORMALLY CLOSED



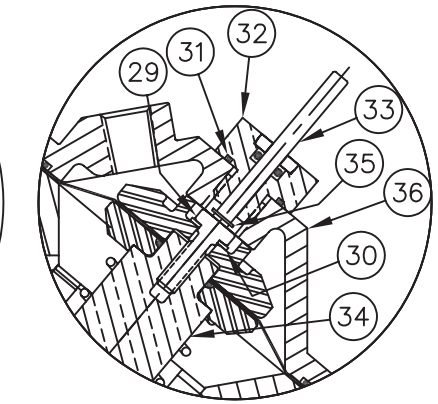
1070157 (K521–X202–14000)

SPRING ASSIST CLOSED



1070158 (K521–X201–14000)

SPRING ASSIST OPEN



1071143 (K521–X221–14000)

POSITION INDICATOR

NOTE:

1. POSITION INDICATOR MODEL CANNOT BE COMBINED WITH NORMALLY CLOSED OR LIMIT STOP OPTIONS.
2. POSITION INDICATOR MODEL FURNISHED WITH SPRING ASSIST OPEN OPTION.

SEE FORM 1078142 FOR UNION END CONNECTORS AND GROOVED ADAPTORS

SEE SHEET K521–1F FOR STANDARD NORMALLY OPEN MODEL

NO.	DESCRIPTION	PART NO.	QTY.
	LIMIT STOP MODEL		
18	ADJUSTING SCREW	1075058 (521–Y)	1
19	O–RING BUNA N	1071668 (ORB–012)	1
20	LIMIT STOP HOUSING	1075057 (521–X)	1
21	O–RING BUNA N	1071671 (ORB–016)	1
22	CAP	1075010 (521–BBOK)	1
	NORMALLY CLOSED MODEL		
23	PIPE PLUG (1/8" NPT)	1071912 (PLP–0006)	1
24	SHAFT (N.C.)	1077909	1
25	SCREW	1077830	1
26	LOCKWASHER (NO. 10)	1078992	1
	SPRING ASSIST CLOSED MODEL		
27	SPRING (ASSIST CLOSED)	1075051 (521–S)	1
	SPRING ASSIST OPEN MODEL		
28	SPRING (ASSIST OPEN)	1236766	1
	POSITION INDICATOR MODEL		
29	SCREW	1077832	1
30	LOCKWASHER (NO. 10)	1078992	1
31	O–RING BUNA N	1071671 (ORB–016)	1
32	GUIDE HOUSING ASSY	1075037 (521–KA)	1
33	INDICATOR SHAFT	1078062	1
34	SHAFT	1077911	1
35	RETAINING RING	1076200	1
36	CAP	1075010 (521–BBOK)	1

CONVERSION KITS

DESCRIPTION	PART NO.
CONVERSION KIT (LIMIT STOP) CONSISTS OF ITEM NO'S 18 THRU 22	1071090 (K521–LSC)
CONVERSION KIT (SPRING ASSIST CLOSED) CONSISTS OF ITEM NO. 27	1075054 (521–SC)
CONVERSION KIT (SPRING ASSIST OPEN) CONSISTS OF ITEM NO. 28	1075055 (521–SO)
CONVERSION KIT (POSITION INDICATOR) CONSISTS OF ITEM NO'S 29 THRU 36	1079620 (K521–PICN)

REPAIR PARTS KITS

DESCRIPTION	PART NO.
INT. PARTS KIT (LIMIT STOP) CONSISTS OF ITEM NO'S 18 THRU 21	1075040 (521–LS)
INT. PARTS KIT (NORM. CLOSED) CONSISTS OF ITEM NO'S 2,5,10,11,24,25,26	1079622 (K521–RGN)
INT. PARTS KIT (SPRING ASSIST CLOSED) CONSISTS OF ITEM NO. 27	1075054 (521–SC)
INT. PARTS KIT (SPRING ASSIST OPEN) CONSISTS OF ITEM NO. 28	1075055 (521–SO)
INT. PARTS KIT (POSITION INDICATOR) CONSISTS OF ITEM NO'S 29 THRU 35	1081790 (521–PIN)

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FORM NO. 1077654

REV	DESCRIPTION	ECO	DWN	DATE	APVD
F	UPDATED O–RING P/N'S	1635	MSM	12JAN06	

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SERIES 521 DIAPHRAGM VALVE
OPTIONAL MODELS

DRAWN	DATE	DRAWING NO.
JWB	25Apr01	1084003

K521 DIAPHRAGM VALVE - OPTIONAL MODELS