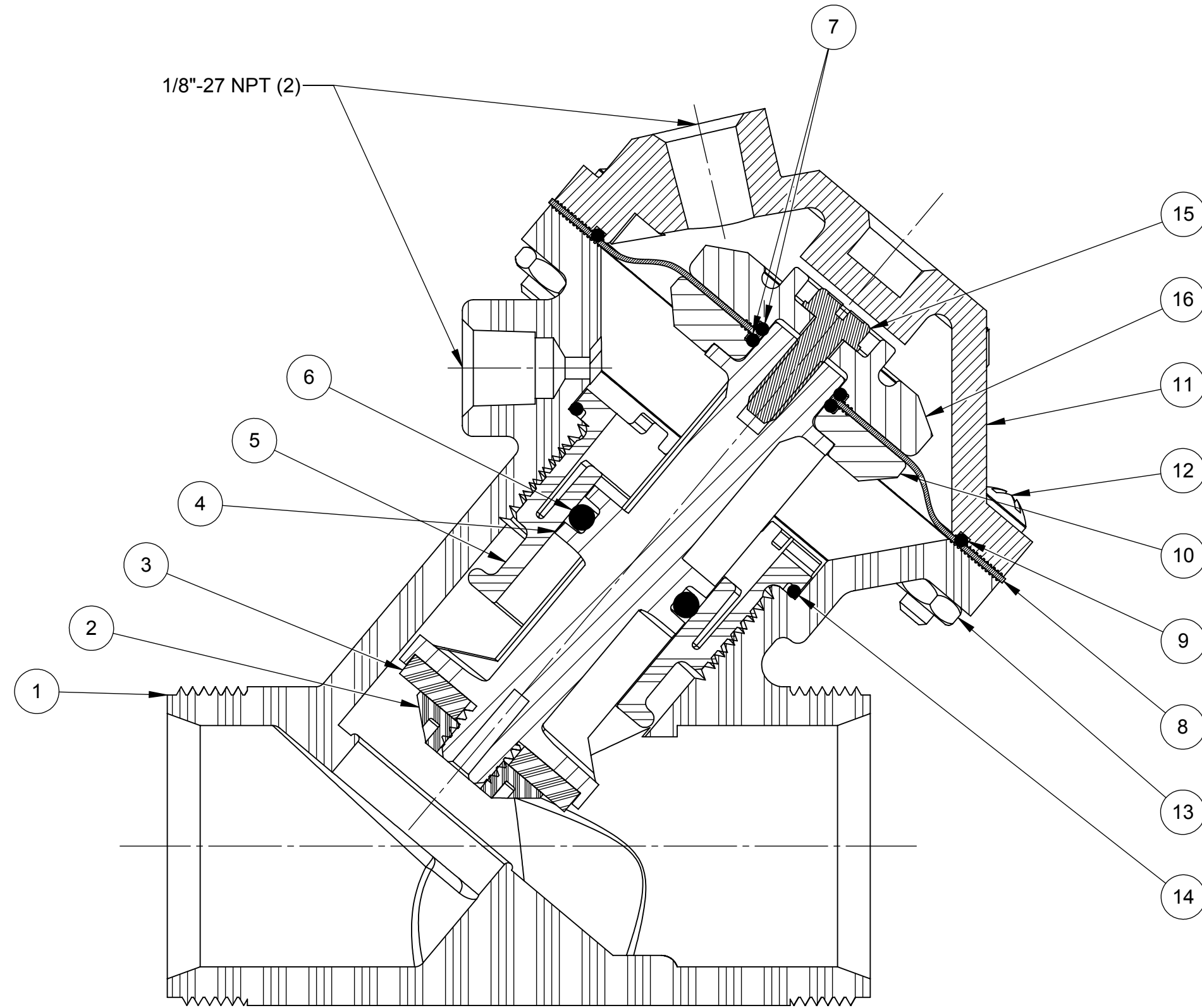


ASSEMBLY TOOLS	
DESCRIPTION	PART NO.
FOR INSTALLATION & REMOVAL OF SHAFT GUIDE (ITEM #5)	1075059 (521-Z)
TO HOLD SHAFT (ITEM #4) DURING ASSEMBLY/ DISASSEMBLY	1077837

TORQUE TABLE		
ITEM #	DESCRIPTION	TORQUED TO (+/- 10%)
2	PLATE, DISC	8 IN/LBS
5	GUIDE, SHAFT	32 IN/LBS
12 & 13	CA P SCREW & NUT	30 IN/LBS
15	SCREW, CUTTING	35 IN/LBS

REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APP'D
102568	J	REDRAWN IN SOLIDWORKS:ITEM #1: WAS 1075007, ITEM #11: WAS 1075012 ITEM #37: WAS 1075010, 4- FORM # NOW DWG #	10/31/13	TJM
10369	K	ITEM #14- WAS: 1071942, 1071943, 1071944	12/12/14	TJM
1001	L	AQ-MATIC UPDATE & VERIFIED PART NUMBERS	01/17/17	MGs
1287	M	CORRECT ERROR IN REPAIR PARTS TABLE	08/16/18	KJB
1507	N	UPDATE BRANDING, CORRECT ERRORS, ADD TORQUE TABLE	05/03/19	KJB

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	BODY, VALVE, 521	NORYL 43476	1
2	PLATE, DISC, 521	NORYL 1075845	1
3	DISC, 521	EPDM 1077814	1
		BUTYL 1077815	
		FKM 1077816	
4	SHAFT, 521	NORYL 1075842	1
5	GUIDE, SHAFT, 521	NORYL 1075030	1
6	O-RING, 2-208	EPDM 1071743	1
		BUTYL 1071775	
		FKM 1071814	
7	O-RING, -014	EPDM 1071718	2
		FKM 1071788	
8	DIAPHRAGM, 521	BUNA 1075028	1
		FKM 1075029	
9	O-RING 2-805	BUNA 1071715	1
10	PLATE, DIAPHRAGM, 521, LOWER	NORYL 43043	1
11	CAP, VALVE, 521	NORYL 43477	1
12	SCREW, 10-32 x 3/4", RND HD	SS 1072380	8
13	HEX NUT, 10-32	SS 1071648	8
14	O-RING, 2-029	EPDM 1081945	1
		BUTYL 43893	
		FKM 1081947	
15	SCREW, CUTTING #10-16 TYPE BT	1077783	1
16	PLATE, DIAPHRAGM, 521, UPPER	43042	1



REPAIR PARTS		
DESCRIPTION	PART NO.	
DIAPHRAGM & SEALS KIT CONSISTS OF ITEM NO'S 3,6,7,8,9,14	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-RAVFN) E.P.D.M. INCLUDES DIAPHRAGM 1075029 (521-FV)
INT. PARTS KIT (NORM. OPEN) CONSISTS OF ITEM NO'S 2,4,5,10,15,16	1079621 (K521-RFN)	

- SEE DRAWING 1081309 FOR UNION END CONNECTORS & GROOVED ADAPTORS
- SEE SHEET 2 FOR CONFIGURATION OPTIONS

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 UNLESS OTHERWISE SPECIFIED:
 *CORNER FILLETS R.005-.020 [0.127-.508]
 TOLERANCES:
 ANGLES: ± 1°
 1 PLACE .X: ± .100 [2.54]
 2 PLACE .XX: ± .010 [0.25]
 3 PLACE .XXX: ± .005 [0.13]

THE COMPONENT, PART, OR ASSEMBLY DESCRIBED IN THIS DOCUMENT MUST COMPLY WITH THE EU (EUROPEAN UNION) DIRECTIVE: RoHS DIRECTIVE 2011/65/EC.

THIRD ANGLE PROJECTION

APPROVALS DATE

DRAWN ANH 8/29/13

CHECKED BY

APPROVED

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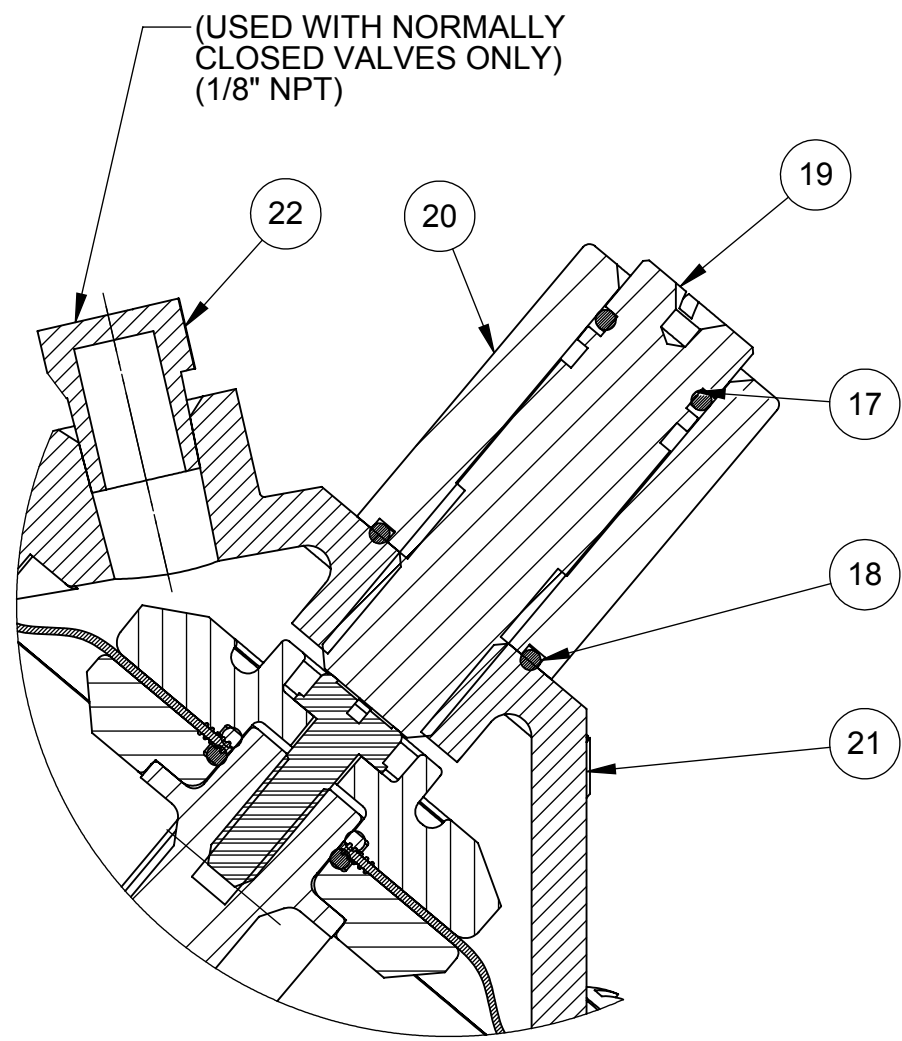
CATALOG SHEET, 521, VALVE STANDARD MODEL

SIZE C DWG NO. 1077654 REV. N

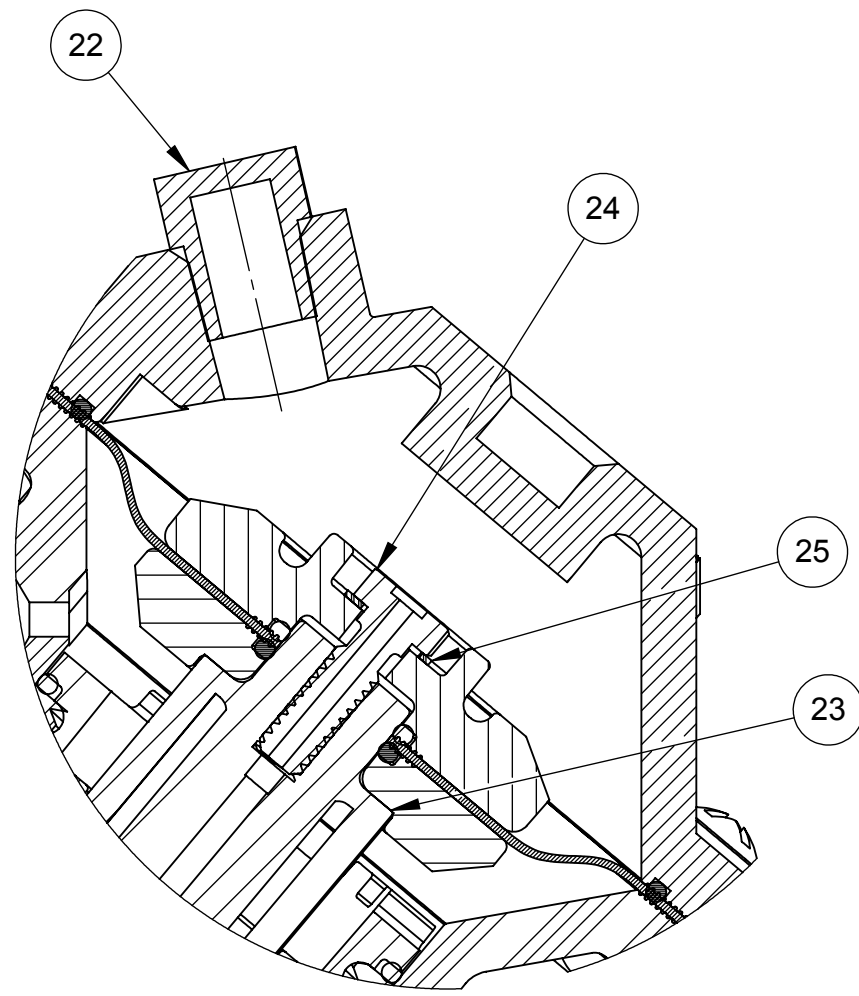
SCALE 1:1 SOLIDWORKS FORMAT SHEET 1 OF 2

1070154 (K521-X200-14000)
NORMALLY OPEN (STANDARD)

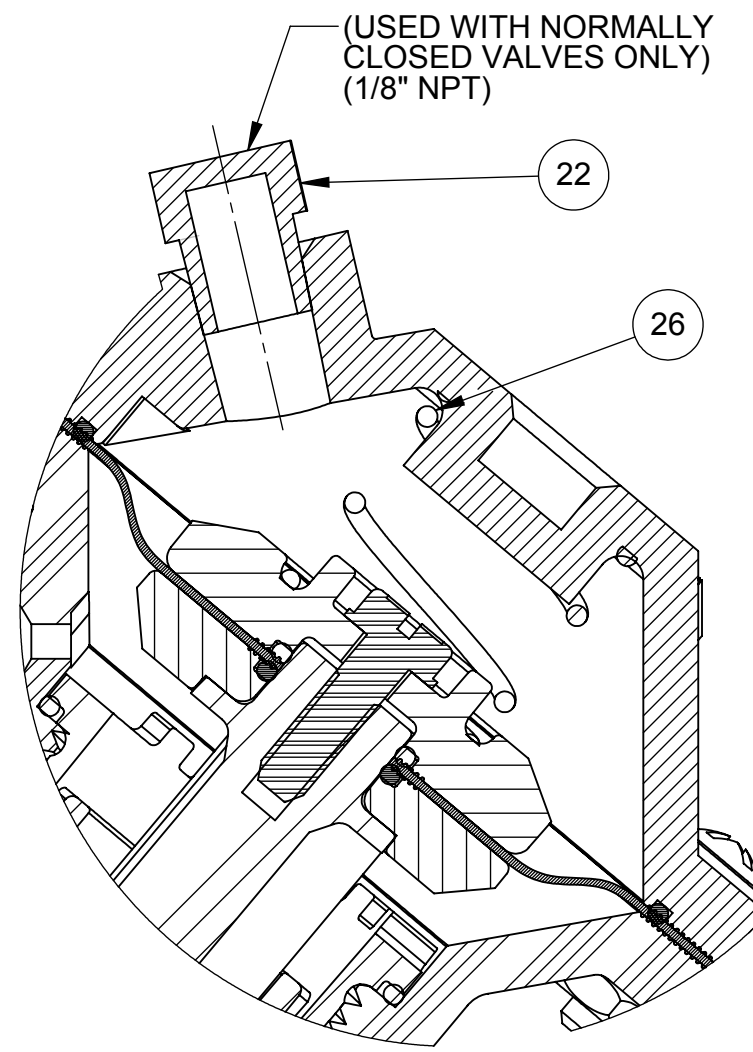
REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APP'D
		SEE SHEET 1 FOR A LIST OF CHANGES		



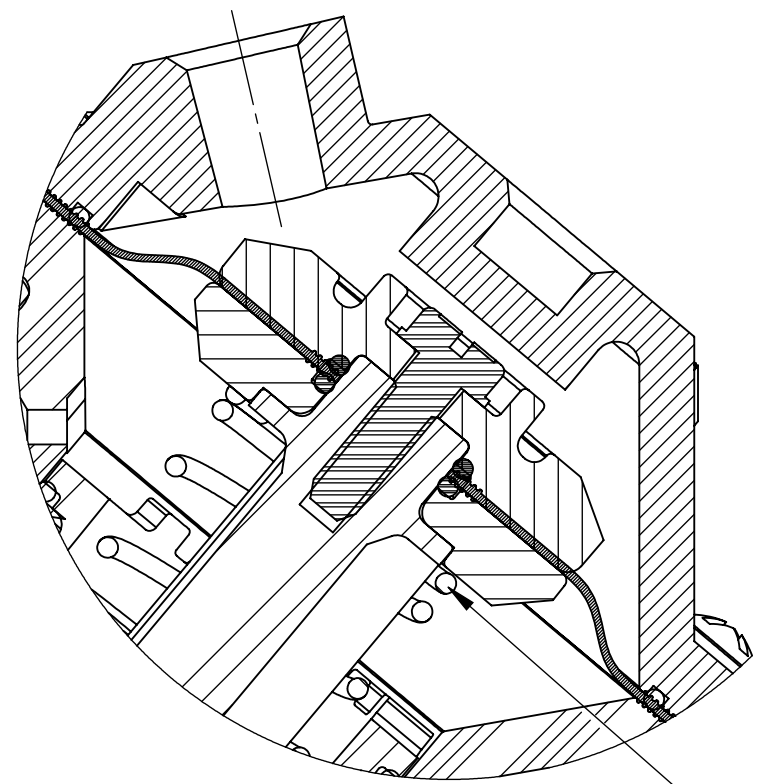
1070155 (K521-X210-14000)
LIMIT STOP



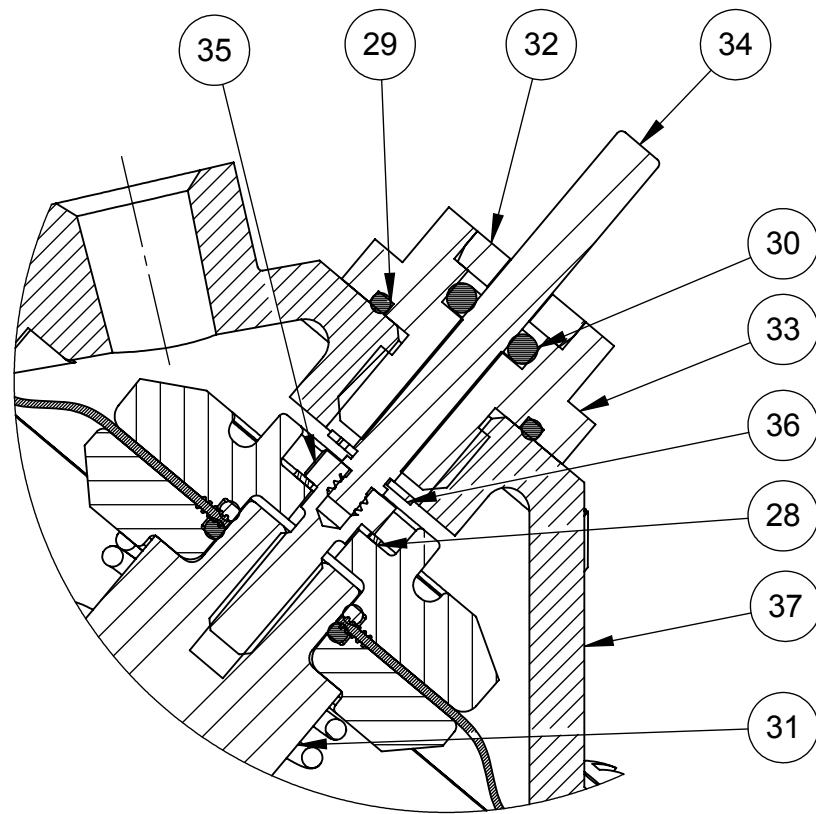
1070159 (K521-X230-14000)
NORMALLY CLOSED



1070157 (K521-X202-14000)
SPRING ASSIST CLOSED



1070158 (K521-X201-14000)
SPRING ASSIST OPEN



1071143 (K521-X221-14000)
POSITION INDICATOR

LIMIT STOP				
ITEM NO.	DESCRIPTION		PART NUMBER	QTY.
17	O-RING,2-012	BUNA	1071668	1
18	O-RING,2-016	BUNA	1071671	1
19	LIMIT STOP SCREW	SS	1075058	1
20	LIMIT STOP NUT	SS	1075057	1
21	CAP, 521, LIMIT STOP	NORYL	43724	1
NORMALLY CLOSED MODEL				
22	MALE PIPE PLUGS, 1/8"	HDPE	1071912	1
23	SHAFT, 521	NORYL	1077909	1
24	SCREW, 521, DIA PLT, NC	SS	1077830	1
25	WASHER, LOCK,INTERNAL,#10	SS	1078992	1
SPRING ASSIST CLOSED MODEL				
26	SPRING, COMPRESSION	SS	1075051	1
SPRING ASSIST OPEN MODEL				
27	SPRING, COMPRESSION	SS	1236766	1
POSITION INDICATOR MODEL				
28	WASHER, LOCK,INTERNAL,#10	SS	1078992	1
29	O-RING, 2-016	BUNA	1071671	1
30	O-RING, 2-106	BUNA	1071687	1
31	SHAFT, PI, 521	NORYL	1077911	1
32	PLUG, GUIDE HOUSING, 520	SS	1074971	1
33	GUIDE HOUSING, 521	SS	1075038	1
34	ROD, PI, 521	SS	1078062	1
35	SCREW, 521, DIA PLT, PI	SS	1077832	1
36	E-RING,	SS	1076200	1
37	CAP, 521, PI, LS	NORYL	43724	1

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 DRAWING 1081309 FOR UNION END CONNECTORS & GROOVED ADAPTORS
- SEE SHEET 1 FOR STANDARD NORMALLY OPEN MODEL

CONVERSION KITS	
DESCRIPTION	PART NO.
CONVERSION KIT (LIMIT STOP) CONSISTS OF ITEM NO'S 17 THRU 21	1071090 (K521-LSC)
CONVERSION KIT (SPRING ASSIST CLOSED) CONSISTS OF ITEM NO. 26	1075054 (521-SC)
CONVERSION KIT (SPRING ASSIST OPEN) CONSISTS OF ITEM NO. 27	1075055 (521-SO)
CONVERSION KIT (POSITION INDICATOR) CONSISTS OF ITEM NO'S 28 THRU 37	1079620 (K521-PICN)

REPAIR PARTS KITS	
DESCRIPTION	PART NO.
INT. PARTS KIT (LIMIT STOP) CONSISTS OF ITEM NO'S 17 THRU 20	1075040 (521-LS)
INT. PARTS KIT (NORM. CLOSED) CONSISTS OF ITEM NO'S 2,5,10,16,23,24,25	1079622 (K521-RGN)
INT. PARTS KIT (SPRING ASSIST CLOSED) CONSISTS OF ITEM NO. 26	1075054 (521-SC)
INT. PARTS KIT (SPRING ASSIST OPEN) CONSISTS OF ITEM NO. 27	1075055 (521-SO)
INT. PARTS KIT (POSITION INDICATOR) CONSISTS OF ITEM NO'S 28 THRU 36	1081790 (521-PIN)

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THIRD ANGLE PROJECTION

APPROVALS: DATE: 02-22-13

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APPROVED:

AQ Matic

CATALOG SHEET, 521, VALVE STANDARD MODEL

SIZE: C DWG NO.: 1077654 REV.: N

SCALE: 1:2 SOLIDWORKS FORMAT SHEET 2 OF 2