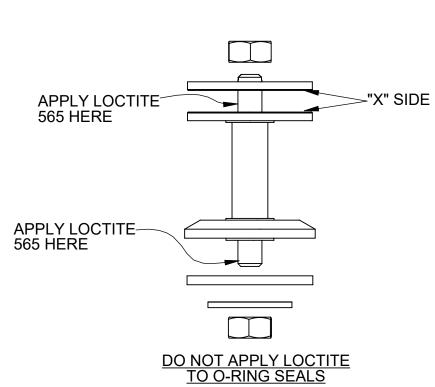


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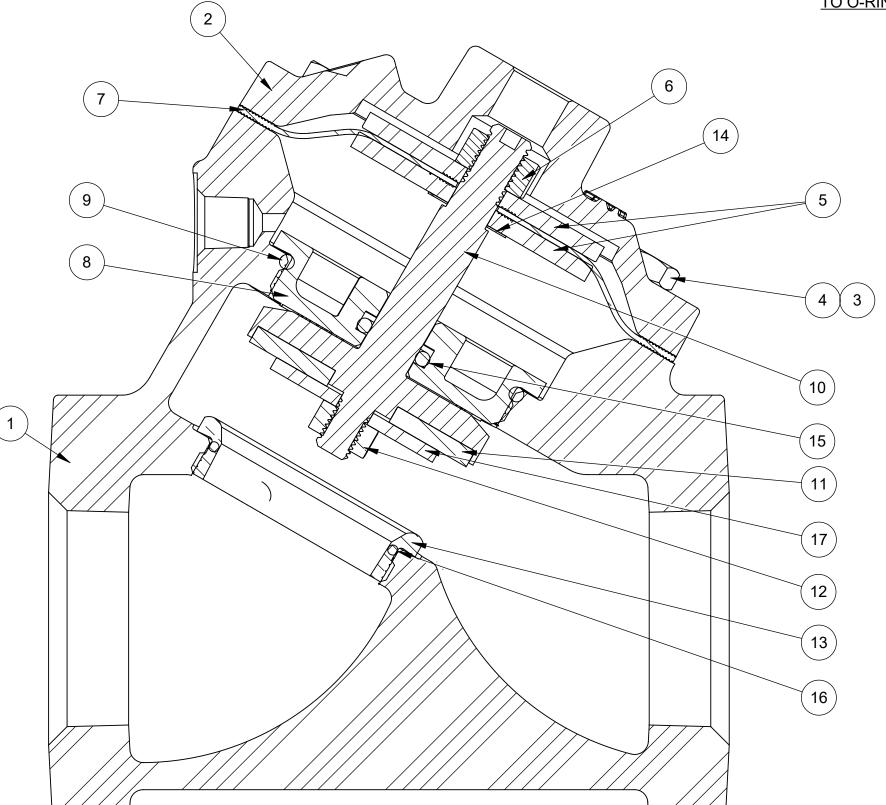
REPAIR PARTS KITS					
DISCRIPTION	PART NO.				
	1070107 (AV4-RA)	1070502 (AV4-RAHT)			
DIAPHRAGM & SEALS KIT CONSISTS OF ITEM NO'S 6, 7, 9, 11, 12, 14, 15, 16	INCLUDES DISC 1074234 (424-JH) DIAPHRAGM 1074222 (424-FB)	INCLUDES DISC 1074235 (424-JT) DIAPHRAGM 1074224 (424-FV)			
INT. PARTS KIT (NORM. OPEN) CONSISTS OF STANDARD ITEM NO'S 5(2), 8, 10, 17	1070119 (424-RF)				
SEAT (ITEM NO. 13)	1074245 (424-MO)				

ASSEMBLY TOOLS			
DESCRIPTION	PART NO.		
FOR INSTALLATION & REMOVAL OF SEAT (ITEM NO. 13) (TOOL NOT SHOWN)	1074247 (424-MT)		
FOR INSTALLATION AND REMOVAL OF SHAFT GUIDE (ITEM#7) 3/4" HEX. SOCKET DRIVER	1074227 (424-GT)		



1. AMERICAN NATIONAL STANDARD TAPER PIPE THREADS (NPT) PER ANSI B2.1-1968

2. VALVES AVAILABLE WITH B.S.P.T. END CONNECTIONS.





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SEE SHEET 2 FOR CONFIGURATION OPTIONS

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	REVISIONS					
ECN	REV.	DESCRIPTION	DATE	APP'D		
1823	L	CATALOG SHEET UPDATE, COMPONENT CHANGES	1/20/21	TRK		
2139	М	CATALOG SHEET UPDATE, PART TO PRINT	9/20/22	TRK		
2171	N	REPLACED 1074226 (SHAFT GUIDE) WITH 43852	1/26/23	TRK		
2271	Р	REMOVE DISC 1074235 FROM BOM	9/13/23	TRK		

NORMALLY OPEN (STANDARD)							
ITEM NO.	DESCRIPTION			STD.	PART NUMBER	QTY.	
				1-1/4" NPT	*	1074196 (424-A5)	
4			1-1/2" NPT	*	1074199 (424-A6)		
1	MACHINED BODY	CAST IRON	1-1/4" BSPT		1074197 (424-A5-BSPT)	1	
			1-1/2" BSPT		1074200 (424-A6-BSPT)		
2	CAP, NPT TAP T	OP	CAST IRON	*	1074202 (424-C)	1	
3	HEX NUT 1/4" -	20	PLATED STEEL	*	1071656 (NUZ-0008)	4	
4	HEX SCREW 1/4"	- 20	PLATED STEEL	*	1072399 (SCZ-0007)	4	
5	DIAPHRAGM PLA	TE	STAINLESS STEEL	*	43943	2	
6	HEX NUT 5/16 - 24		STAINLESS STEEL	*	1263853 (RMET)	1	
7	DIAPHRAGM, 424		BUNA N	*	1074222 (424-FB)	1	
			FKM		1074224 (424-FV)		
8	SHAFT GUIDE (REQ'S ASSY TOOL)		STAINLESS STEEL	*	43852	1	
9	O-RING 2-132		FKM	*	1071806 (ORV-132)	1	
10	NORMALLY OPEN COMBO SHAFT		STAINLESS STEEL	*	44013	1	
11	DISC		HYCAR	*	1074234 (424-JH)	1	
12	HEX NUT (1/4"-28)		STAINLESS STEEL	*	1263852 (NUS-0010)	1	
13	SEAT - BRASS (REQ'S ASSY TOOL)		BRASS	*	1074245 (424-MO)	1	
14	COPPER GASKI	ΞT	COPPER	*	1074252 (424-R)	1	
15	O-RING 2-110		AFLAS	*	1071661	1	
16	O-RING 2-028		FKM	*	1071793 (ORV-028)	1	
17	DISC PLATE		STAINLESS STEEL	*	43942 (424-H)	1	

TORQUE TABLE				
ITEM # DESCRIPTION		TORQUED TO (+/- 10%)		
13	SEAT	120 IN/LBS		
12	LOWER NUT	90 IN/LBS		
8	SHAFT GUIDE	120 IN/LBS		
6	UPPER NUT	90 IN/LBS		
3 & 4	NUT & CAP SCREW	90 IN/LBS		

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THE COMPONENT OR PR	RODUCT DESCRIB	ED IN THIS DOCUMEN	T MUST COMPLY WITH RoHS 3 EU (E	UROPEAN UNION) DIRECTIVE	2015/863
THIRD ANGLE PROJECTION		ac	Matic	AQ-MAT	
APPROVALS	DATE			_	
DRAWN TRK	1/20/21		,	,	M
CHECKED BY			VALVI	<u> </u>	
		SIZE C		6	PREV.
APPROVED		SCALE 1:2	SOLIDWORKS FORMAT	SHEET 1 OF 2	-
	THIRD ANGLE PROJECTION APPROVALS DRAWN TRK	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION - Image: Constraint of the second	THIRD ANGLE PROJECTION Image: Constraint of the sector o	PROJECTION AQ-MAT APPROVALS DATE DRAWN TRK 1/20/21 DESCRIPTION CHECKED BY SIZE APPROVED SIZE CALE 1077636

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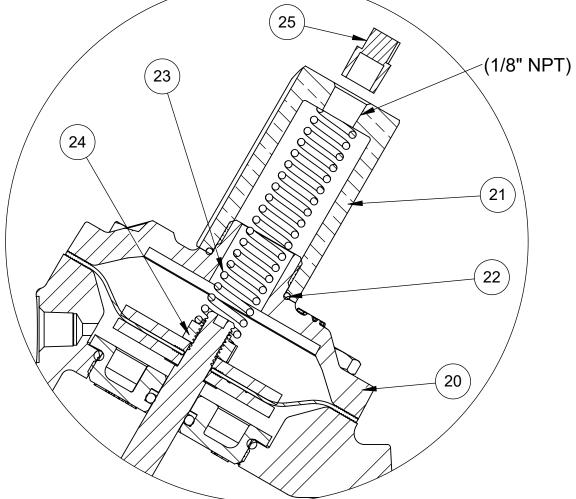
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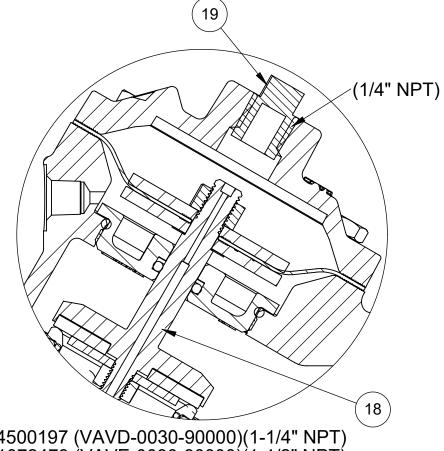
REPAIR PARTS KIT				
DESCRIPTION	PART NO.			
INT. PARTS KIT (NORM. CLOSED) CONSISTS OF STANDARD ITEM NO'S 5(2), 8, 17, 18	1070130 (424-RG)			
INT. PARTS KIT (SPRING ASSIST CLOSED) CONSISTS OF STANDARD ITEM NO'S 22, 23, 24	1074265 (424-SC)			
INT. PARTS KIT (SPRING ASSIST OPEN) CONSISTS OF STANDARD ITEM NO'S 14, 26, 27	1074268 (424-SO)			

CONVERSION KITS			
DESCRIPTION	PART NO.		
CONVERSION KIT (SPRING ASSIST CLOSED) CONSISTS OF STANDARD ITEM NO'S 20 THRU 25	1074266 (424-SCC)		
CONVERSION KIT (SPRING ASSIST OPEN) CONSISTS OF STANDARD ITEM NO'S 8, 14, 26, 27	1074269 (424-SOC)		



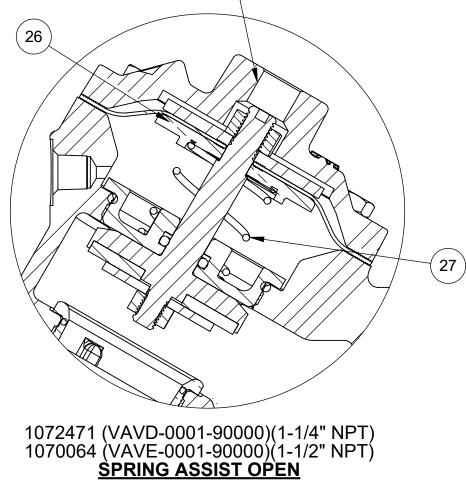
1072472 (VAVD-0002-90000)(1-1/4" NPT) 1072477 (VAVE-0002-90000)(1-1/2" NPT) <u>SPRING ASSIST CLOSED</u>

TORQUE TABLE		
ITEM #	DESCRIPTION	TORQUED TO (+/- 10%)
21	RETAINER NUT	120 IN/LBS
24	CENTERING NUT	90 IN/LBS



4500197 (VAVD-0030-90000)(1-1/4" NPT) 1072479 (VAVE-0030-90000)(1-1/2" NPT) <u>NORMALLY CLOSED</u>

(1/4" NPT)



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REVISIONS

		REVISIONS			
ECN	REV.	DESCRIPTION	DATE	APP'D	
1823	L	CATALOG SHEET UPDATE, COMPONENT CHANGES	1/20/21	TRK	
2139	М	CATALOG SHEET UPDATE, PART TO PRINT	9/20/22	TRK	
2171	N	REPLACED 1074226 (SHAFT GUIDE) WITH 43852	1/26/23	TRK	
2271	Р	REMOVE DISC 1074235 FROM BOM	9/13/23	TRK	
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NORMALLY CLOSED MODEL											
ITEM NO.	DESCRIPTION			PART NUMBER	QTY.						
18	NORMALLY CLOSED COMBO SHAFT	STAINLESS STEEL	*	44013-02 (424-LL)	1						
19	PIPE PLUG (1/4" NPT)	PLATED STEEL	*	1071918 (PLZ-0008)	1						
SPRING ASSIST CLOSED MODEL											
ITEM NO.	DESCRIPTION			PART NUMBER	QTY.						
20	CAP, SPRING ASSIST CLOSED	CAST IRON	*	1074208 (424-CC)	1						
21	RETAINER NUT	BRASS	*	1074274 (424-TT)	1						
22	O-RING, 2-020	BUNA-N	*	1071674 (ORB-020)	1						
23	SPRING	STAINLESS STEEL	*	1074270 (424 SS)	1						
24	CENTERING NUT	STAINLESS STEEL	*	1074276 (424-X)	1						
25	PIPE PLUG (1/8" NPT)	BRASS	*	1071903 (PLB-0007)	1						
SPRING ASSIST OPEN MODEL											
ITEM NO.	DESCRIPTION			PART NUMBER	QTY.						
26	DIAPH. PLATE, 424	STAINLESS STEEL	*	43728	1						
27	SPRING	STAINLESS STEEL	*	1236766	1						

SEE SHEET 1 FOR STANDARD NORMALLY OPEN MODEL

	THE COMPONENT OR PRODUCT DESCRIBED IN THIS DOCUMENT MUST COMPLY WITH RoHS 3 EU (EUROPEAN UNION) DIRECTIVE 2015/863								
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AND ANY COPIES SHALL BE RETURNED TO AQ- MATIC UPON WRITTEN REQUEST.	APPROVALS	DATE							
INTERPRET DIMENSIONS AND TOLERANCES			CATALOG SHEET, VAV4, DIAPHRAGM VALVE						
PER ASME Y14.5M -1994 UNLESS OTHERWISE SPECIFIED:	DRAWN TRK	1/20/21							
DIMENSIONS ARE IN INCHES [mm] CORNER FILLETS R.005020 [.127508]	CHECKED BY								
TOLERANCES: ANGLES : <u>+</u> 1°				DWG NO. 1077636		REV.			
1 PLACE .X: ± .100 [2.54] 2 PLACE .XX: ± .010 [0.25] 3 PLACE .XXX: ± .005 [0.13]	APPROVED		SCALE 1:2	Solidworks format	SHEET 2 OF 2				
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