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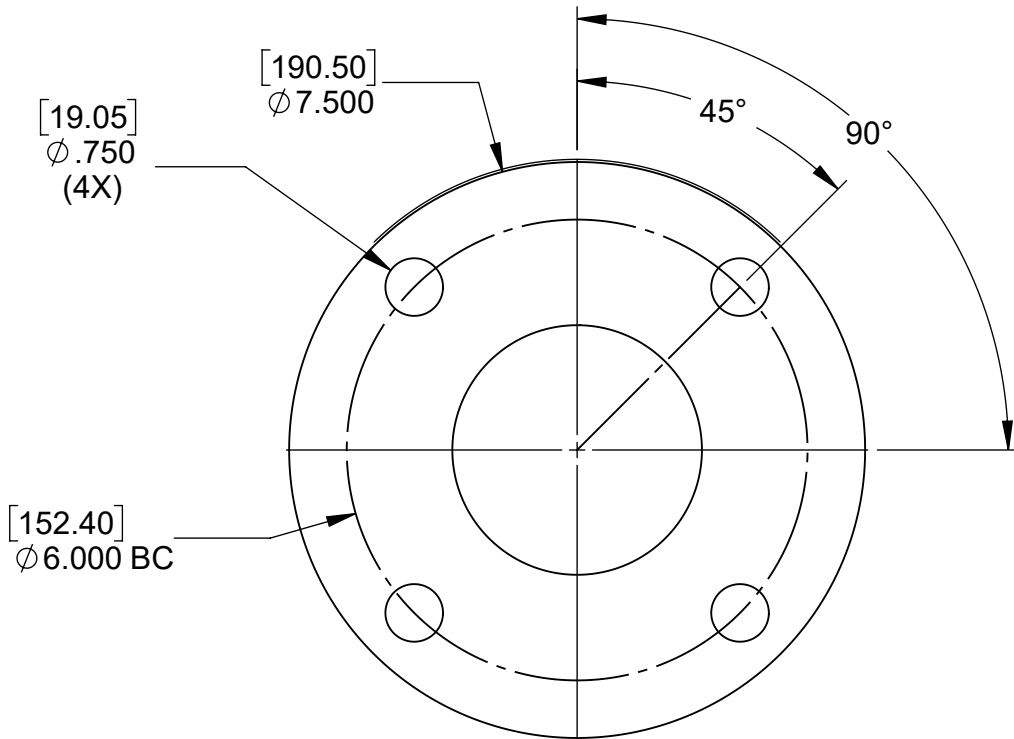
B

REPAIR PARTS KITS		
DESCRIPTION	PART NO.	
DIAPHRAGM & SEALS KIT CONSISTS OF ITEM NO'S 4, 7(2), 8, 9, 10(2), 11, 12	1070110 (AV7-RA)	1070516(AV7-RAHT)
	INCLUDES DISC 1074490 (427-JH), DIAPHRAGM 1074475 (427-FB)	INCLUDES DISC 1074491 (427-JT), DIAPHRAGM 1074477 (427-FV)
INT. PARTS KIT (NORM. OPEN) CONSISTS OF STANDARD ITEM NO'S 11, 14, 15, 16, 17, 19	1070517 (AV7-RF)	
SEAT (ITEM NO. 3)	1074505	

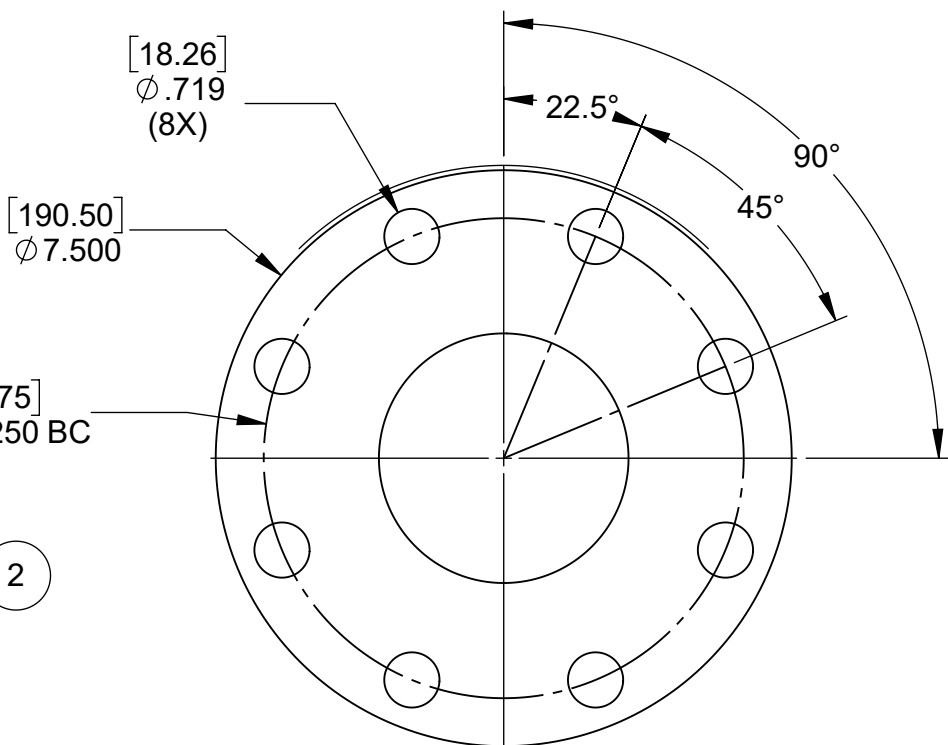
ASSEMBLY TOOLS	
DESCRIPTION	PART NO.
FOR INSTALLATION & REMOVAL OF SHAFT GUIDE (ITEM #11) (NOT SHOWN)	1-3/16" HEX SOCKET

TORQUE TABLE		
ITEM#	DESCRIPTION	TORQUED TO (+/-10%)
3	SEAT	500 IN/LBS (41.6 FT/LBS)
10	UPPER NUT	140 IN/LBS
10	LOWER NUT	140 IN/LBS
5, 6, 13	NUT, HEX SCREW	140 IN/LBS
11	SHAFT GUIDE	500 IN/LBS (41.6 FT/LBS)

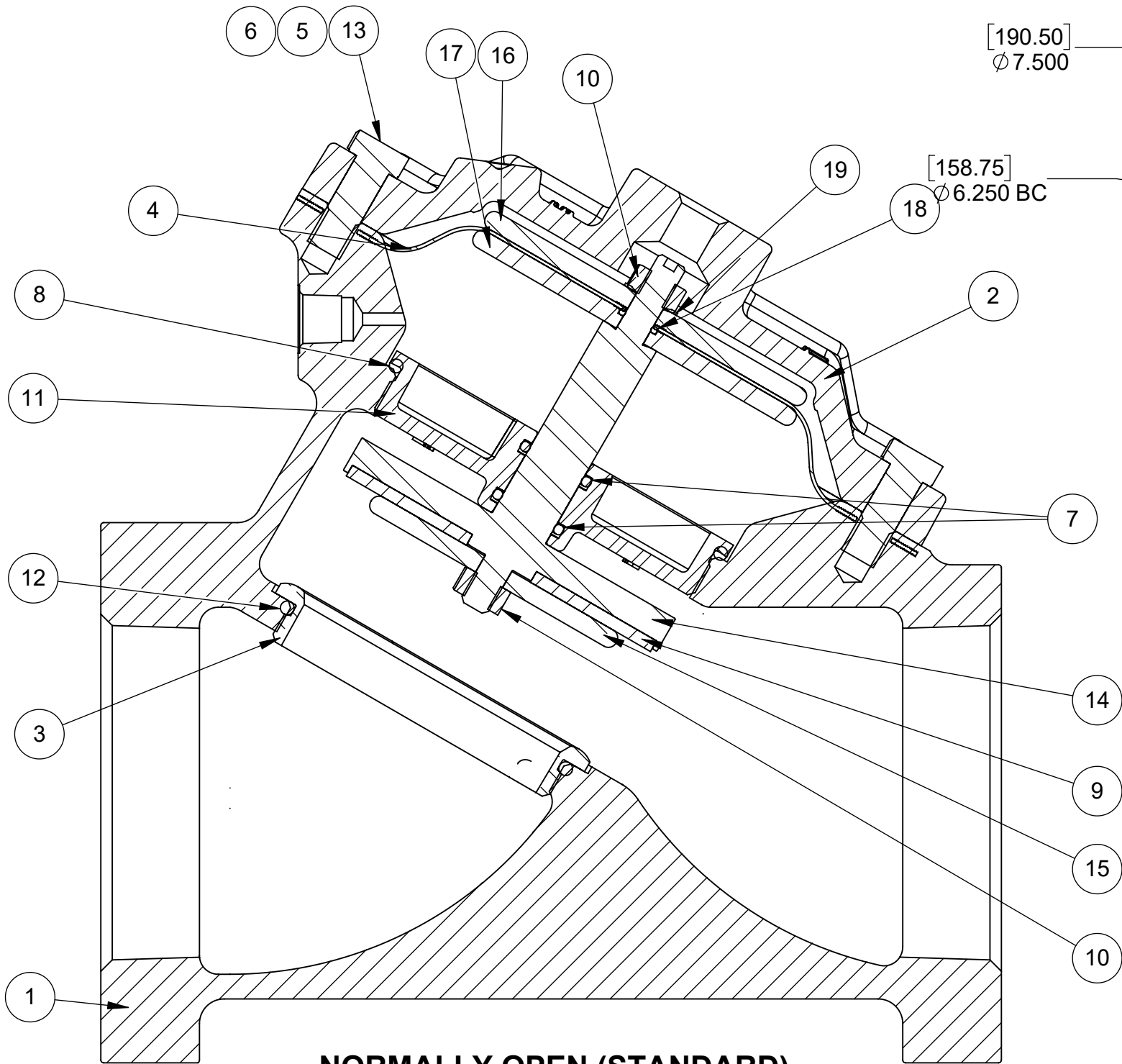
- NOTE:
- AMERICAN NATIONAL STANDARD TAPER
PIPE THREADS (NPT) PER ANSI B2.1-1968
 - VALVES AVAILABLE WITH B.S.P.T. END
CONNECTIONS.



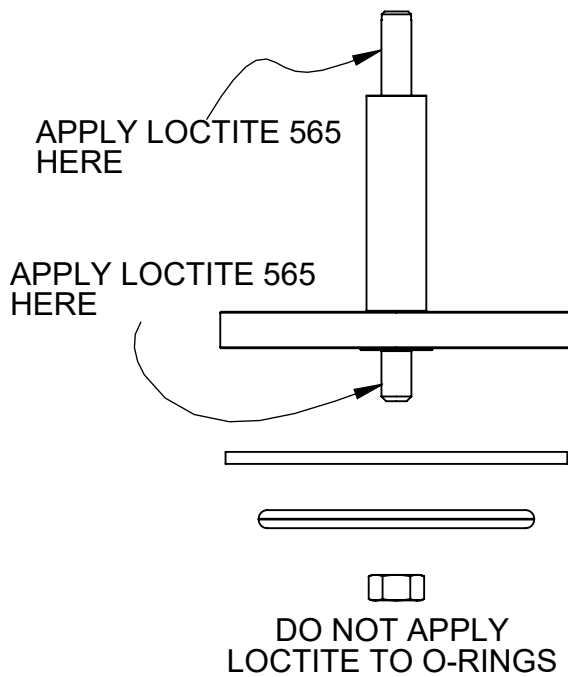
AMERICAN FLANGE PER
A.S.A. 16.1 CLASS 125



METRIC FLANGE PER
BS4504, DIN 10 & ISO R 2084



NORMALLY OPEN (STANDARD)



REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APP'D
1830	O	CATALOG SHEET UPDATE	6/10/21	TRK
2072	P	CATALOG SHEET UPDATE	5/18/22	TRK
2271	Q	CATALOG SHEET UPDATE	9/12/23	TRK

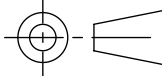
NORMALLY OPEN MODEL					
ITEM NO.	DESCRIPTION		STD.	PART NUMBER	QTY.
1	BODY, 427,3.00" NPT THREAD	THREADED	*	1074446 (427-AS)	1
	BODY, 427, A.S.A 16.1 TYPE	FLANGED		1074438	
	BODY, 427, METRIC TYPE	FLANGED		1074439	
2	CAP, 427, MACHINED	CAST IRON	*	1074454 (427-C)	1
3	SEAT, 427, MACHINED	BRASS	*	1074505 (427-MO)	1
4	DIAPHRAGM, 427	BUNA-N	*	1074475 (427-FB)	1
		FKM		1074477 (427-FV)	
5	SCREW, 3/8" X 16 X 1 1/2", HX HD	PLATED STEEL	*	1072405 (SC2-0025)	6
6	HEX NUT, 3/8" - 16	PLATED STEEL	*	1071658 (NUZ-0014)	6
7	O-RING 2-114	ALFAS	*	1071691 (ORB-114TC)	2
8	O-RING 2-237	FKM	*	1071708 (ORB-237)	1
9	DISK	HYCAR	*	1074487 (427-J)	1
10	NUT, HEX. 5/16" - 24	STAINLESS STEEL	*	1263853 (RMET)	2
11	SHAFT GUIDE, MACHINED	STAINLESS STEEL	*	43850	1
12	O-RING, 2-233	FKM	*	1071754 (ORE-233)	1
13	SCREW, HEX HD, 3/8"-16X1	STAINLESS STEEL	*	19768	2
14	SHAFT NORMALLY OPEN	STAINLESS STEEL	*	4510301-01	1
15	DIAPHRAGM / DISC PLATE	STAINLESS STEEL	*	1074371 (426-DA)	1
16	DIAPHRAGM PLATE	STAINLESS STEEL	*	1074472 (427-DA)	1
17	DIAPHRAGM PLATE, LOWER	STAINLESS STEEL	*	1074473	1
18	O-RING, 2-011	FKM	*	1071786 (ORV-011)	1
19	LOCKWASHER	STAINLESS STEEL	*	1073590	1

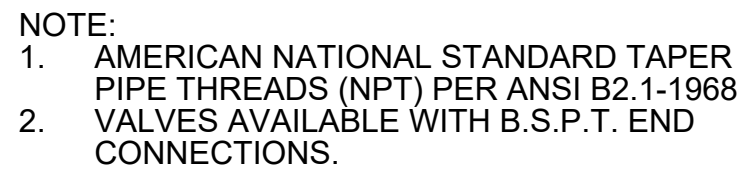
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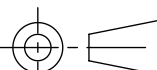
INTERPRET DIMENSIONS AND TOLERANCES
PER ASME Y14.5M -1994

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES (mm)
CORNER FILLETS R.005-.020 (.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 OR PRODUCT DESCRIBED IN THIS DOCUMENT MUST COMPLY WITH RoHS 3 EU (EUROPEAN UNION) DIRECTIVE 2015/863				
THIRD ANGLE PROJECTION				
APPROVALS		DATE		 AQMATIC Valves & Controls
DRAWN		DESCRIPTION		
TRK		CATALOG SHEET, VAV7 DIAPHRAGM VALVE STANDARD MODEL		
1/22/21				
CHECKED BY				
APPROVED		SIZE		REV.
		C		Q
		DWG NO.		
		1077639		
		SCALE 1:2		
		SOLIDWORKS FORMAT		
		SHEET 1 OF 2		

DCBBA

SEE REVERSE SIDE FOR
NORMALLY OPEN MODEL

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INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M -1994 UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (mm) CORNER FILLETS R.005-.020 [.127-.508] TOLERANCES: ANGLES: ± 1° 1 PLACE .X: ± .100 [2.54] 2 PLACE .XX: ± .010 [0.25] 3 PLACE .XXX: ± .005 [0.13]		APPROVALS DRAWN TRK CHECKED BY APPROVED		DATE 1/22/21	
				DESCRIPTION CATALOG SHEET, VAV7 DIAPHRAGM VALVE STANDARD MODEL	
		SIZE C		DWG NO. 1077639	
		SCALE 1:2		SHEET 2 OF 2	
				REV. Q	