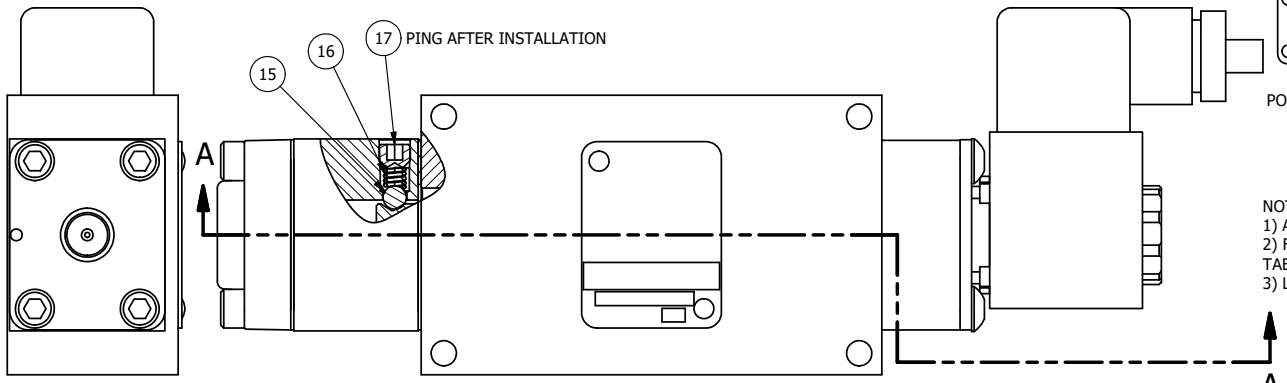
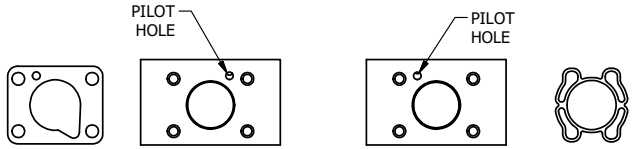
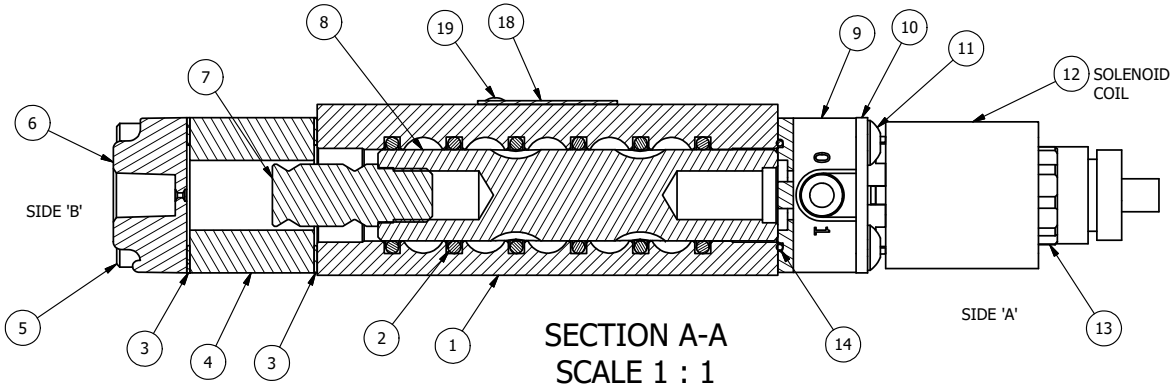




POSITION GASKET TO SEAL PILOT HOLE SIDE 'B' ONLY.

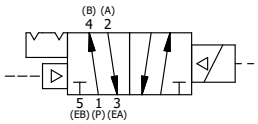
ALIGN PILOT AND SLOT IN ADAPTOR WITH GASKET IN BETWEEN SIDE 'A' ONLY FOR EXTERNAL PILOT OPERATION - ROTATE ADAPTOR 180 DEGREES. REMOVE 1/8" NPTF PLUG AND SUPPLY 50-150 PSI TO 1/8" NPTF PILOT PORT IN ADAPTOR.

NOTES:
1) ALWAYS GIVE VALVE MODEL AND PART NUMBER WHEN ORDERING PARTS.
2) FOR DIFFERENT VOLTAGES OTHER THAN 120/60, REPLACE SOLENOID COIL WITH COIL LISTED IN TABLE BELOW.
3) LUBRICATE DETENT BALL, SPRING AND STUD.



SECTION A-A
SCALE 1 : 1
VIEW FROM 3 PORT SIDE

FLG	QTY	PART NO	DESCRIPTION
19	2	V-212	SCREW, #2 X 3/16 DRIVE, TYPE U, OVAL HEAD, STAINLESS STEEL
18	1	AN-114	NAMEPLATE, BLANK, FOR VALVES WITH SPRINGS OR DETENTS
17	1	V-21	SCREW, 1/4-20 X 3/16, SOCKET SET, CUP POINT
16	1	DS3	SPRING - DETENT, 1/4" & 3/8" VALVE
15	1	V-14	BALL, 3/16 DIA, GRADE 25, CHROME STEEL
14	1	EMG3	GASKET - END MOUNT SOLENOID, BUNA-N, 1/4" & 3/8" VALVES
13	1	V-556	NUT, SOLENOID, TOP EXHAUST, KNURLED
12	1	V-612-3	ATEX COIL 24 VDC WITH 3 METER CORD. NASS # 1215 30.1-001/6896.
11	4	V-584	SCREW, 10-24 X 1, BUTTON HEAD SOCKET CAP, W/ND 593 BLUE MICROSPHERES
10	1	SEC3-7	PLATE, RE-INFORCEMENT, SOLENOID, STAMPED, 304 STAINLESS
9	1	V-550-1	SOL OPER, END MOUNT, NON-LOCKING O'RIDE
8	1	S3R	SPOOL - SOLID, STANDARD, 2 POS, CLSD CTR, 1/4" & 3/8" VALVE
7	1	PBS3-13	STUD - POS. A & C. DETENT, SOLENOID OPERATOR, STAINLESS, 1/4" & 3/8" VALVE
6	1	PEC3	END CAP, PILOT, 380 AL, 1/4" & 3/8" VALVE
5	4	V-614	SCREW, 10-24 X 1-3/4, SOCKET HEAD CAP
4	1	PEC3-18	ENDCAP, SPACER, DETENT, SOLENOID, 6061-T6, 1/4" & 3/8" VALVES
3	2	ECG3	GASKET - END CAP, 1/4" & 3/8" VALVE
2	6	V-39	O-RING, VITON, STD BODY, 1/4" & 3/8" VALVES
1	1	B2-1E	BODY - SOLID, BUTTON BLEEDER, ANODIZED, 1/4" SIDE PORT VALVE



LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	2-PL DECIMAL ± .01 3-PL DECIMAL ± .005 FRACTIONAL ± 1/64 ANGULAR ± 1/2'	AAA PRODUCTS INTERNATIONAL	**AAA PRODUCTS INTERNATIONAL** 7114 Harry Hines Blvd Dallas, TX 75235
DRAWN: RMcKenna	DATE: 9/22/2026	CHECKED: KWaite	DATE: 9/22/2026
SCALE: 1 : 1	SHEET: 1 OF 1	RELEASED: HWomack	DATE: 9/22/2026
TITLE: 1/4" SIDE PORT, SNGL SOL, 2 POS, PILOT RTRN, ATEX, 24VDC, DETENT, EXT PILOT		PART NO.: ESR2TQZ 24VDC	REV.:

D:\Engineering\Product\valves\Assembly\standard\ESR\DWG\ESR2TQZ-24VDC.ddw

THE INFORMATION CONTAINED WITHIN THIS DOCUMENT IS PROPRIETARY TO AAA PRODUCTS AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT