



12 SEE NOTES 2 & 3

- NOTES:  
 1) ALWAYS GIVE VALVE MODEL AND PART NUMBER WHEN ORDERING.  
 2) OPEN MUFFLER 2 TURNS FROM CLOSED POSITION. TIGHTEN LOCK NUT ON MUFFLER.  
 3) INSTALL MUFFLER WITH MAGNALUBE-G GREASE 1 TO 1-1/2 TURNS FROM HAND TIGHT INTO BODY.  
 4) FOR DIFFERENT VOLTAGES OTHER THAN 120/60, REPLACE TOP CONTROL VALVE WITH VALVE LISTED IN TABLE BELOW.

THE FOLLOWING PARTS ARE INCLUDED WITH THE SUBPLATE VALVE AND ARE USED TO ASSEMBLE.

| QTY | PART NO | DESCRIPTION  |
|-----|---------|--|
| 5   | V-92    | O-RING, BUNA-N, 70 DURO, AS-014, (REF 1/2 X 5/8 X 1/16), 3/8" SUBPLATE |
| 4   | V-35    | SCREW, 10-24 X 7/8, SOCKET HEAD CAP                                    |

|     |     |         |   |
|-----|-----|---------|---|
| 13  | 1   | SY3PDM  | 3/8" SUBPLATE, DBL SOL, 3 POS, SPR CTR, REGEN CTR SPL, MOLD-OVER, 120/60, DUST EXCLDR |
| 12  | 2   | MFC2    | ASSEMBLY - MUFFLER FLOW CONTROL, 1/4" NPT   |
| 11  | 3   | V-337   | PLUG, SOCKET 1/4-18 FLUSH SEAL PLUG   |
| 10  | 2   | V-129   | U-CUP, 1-5/8 X 1-1/8 X 1/4, NITRILE   |
| 9   | 2   | SPC12   | SPOOL - PRESS. CTR, 1 1/2" & 2" VALVE   |
| 8   | 2   | V-128   | O-RING, BUNA-N, 70 DURO, AS-229, (REF 2-3/8 X 2-5/8 X 1/8), 3 POS, 1-1/2" & 2" VALVES |
| 7   | 2   | V-231   | PLUG, SOCKET PRESSURE 1/16-27X 7/8 TAPER FOR 122V, 192V, FOR EC                       |
| 6   | 2   | V-89    | O-RING, BUNA-N, 70 DURO, AS-110, (REF 3/8 X 9/16 X 3/32), 1" & 2" SUBPLATE PILOT      |
| 5   | 2   | PCE12E  | ENDCAP - PRESSURE CTR, SOLID, 6061-T6 AL, 1-1/2" & 2" VALVES                          |
| 4   | 12  | V-143   | SCREW, 5/16-18 X 2, SOCKET HEAD CAP   |
| 3   | 1   | S12     | SPOOL - STANDARD, 2 POS - 3 POS CLOSED CTR, 1 1/2" & 2" VALVE                         |
| 2   | 6   | V-123   | O-RING, BUNA-N, 70 DURO, AS-331, (REF 2-1/4 X 2-5/8 X 3/16), 1-1/2" & 2" VALVES       |
| 1   | 1   | B12-6   | BODY, 1 1/2" SIDE PORT, PIGGY BACK  |
| FLG | QTY | PART NO | DESCRIPTION   |

SECTION A-A  
VIEW FROM 3 PORT SIDE

CONTROL VALVE VOLTAGES

| PART NO       | REPLACE WITH  |
|---------------|---------------|
| SY12ML 240/60 | SY3PDM 240/60 |
| SY12ML 24VDC  | SY3PDM 24VDC  |
| SY12ML 12VDC  | SY3PDM 12VDC  |

LIMITS ON DIMENSIONS  
 UNLESS OTHERWISE SPECIFIED  
 2-PL DECIMAL ± .01  
 3-PL DECIMAL ± .005  
 FRACTIONAL ± 1/64  
 ANGULAR ± 1/2°

**AAA PRODUCTS INTERNATIONAL**  
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|   |                 |                    |                 |
|---|-----------------|--------------------|-----------------|
| DRAWN: RMckenna   | DATE: 3/12/2016 | CHECKED: KWaite    | DATE: 3/12/2016 |
| SCALE: 1/2  | SHEET: 1 OF 1   | RELEASED: HWormack | DATE: 3/12/2016 |
| TITLE:<br>1-1/2" SIDE PORT, DBL SOL, 3 POS,<br>PRESS CTR, SOL SHFT, CLSD CTR SPL,<br>MOLD-OVER, 120/60, DUST EXCLDR |                 | PART NO.:          | REV.:           |
|   |                 | SY12ML             |                 |

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

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