


| KEY | QTY | DESCRIPTION | PART NO |
|--------------------|-----|--|-------------|
| 1 | 2 | 1/4" TUBE X 1/2" NPT ELL TO 100PPD (2 KG/HR) | TU-157 |
| | 2 | 1/2" TUBE X 1/2" NPT ELL TO 200 PPD (5 KG/HR) | TU-256 |
| | 2 | 5/8" TUBE X 1/2" NPT ELL TO 500 PPD (10 KG/HR) | TU-556 |
| 2 | 3 | 1/4-20 UNC X 3 1/2" SS ROUND HEAD MACHINED | AV-105 |
| 3 | 1 | VALVE COVER | AV-001 |
| 4 | 1 | VALVE ORIFICE (SEE NOTE) | AV-003* |
| 5 | 1 | VALVE BODY | AV-002 |
| 6 | 3 | SPRING-ACTIVATED PTFE SEAL (3/8" I.D.) | AV-030 |
| 6A | 1 | VALVE BODY O-RING SEAL | OR-115 |
| 7 | 1 | VALVE BODY MOUNTING PLATE | AV-014 |
| 8 (SEE NOTE) | 1 | VALVE PLUG ASSEMBLY TO 10PPD (200 GR/HR) | AV-200-10* |
| | 1 | VALVE PLUG ASSEMBLY TO 25PPD (500 GR/HR) | AV-200-25* |
| | 1 | VALVE PLUG ASSEMBLY TO 50PPD (1000 GR/HR) | AV-200-50* |
| | 1 | VALVE PLUG ASSEMBLY TO 100PPD (2 KG/HR) | AV-200-100* |
| | 1 | VALVE PLUG ASSEMBLY TO 200PPD (5 KG/HR) | AV-200-200* |
| 9 | 9 | 4-40 UNC X 1/8" SS SET SCREW | AV-104 |
| | 9A | 4-40 UNC X 3/16" TITANIUM SET SCREW | AV-104T |
| 10 | 8 | 10-24 UNC X 1 1/4" SS FLAT HD MACHINED SCREW | AV-101 |
| 11 | 1 | HAND WHEEL | AV-008 |
| 12 | 1 | SPRING-ACTIVATED PTFE SEAT (1/4" ID) | AV-031 |
| 13 | 1 | PTFE FRICTION WASHER | SP-160 |
| 14 | 1 | 6-32 UNC SS HEX NUT | AV-120 |
| 15 | 1 | LEAD SCREW | AV-007 |
| 16 | 1 | VALVE SUPPORT PLATE, RIGHT SIDE | AV-016 |
| 17 | 1 | VALVE SUPPORT PLATE, LEFT SIDE | AV-017 |
| 18 | 4 | SEAL, SUPPORT PLATE TO HOUSING BOX | OR-114 |
| 19 | 1 | GUIDE PLATE | AV-009 |
| 20 | 1 | INDICATOR SHOULDER SCREW (6-32 UNC) | AV-010 |
| 21 | 1 | MOTOR MOUNTING PLATE | AV-015 |
| 22 | 1 | LINEAR ACTUATOR MOTOR | AV-100 |

| KEY | QTY | DESCRIPTION | PART NO |
|-----|-----|---|------------|
| 23 | 6 | SS LOCK WASHER | AV-130 |
| 24 | 6 | SS PAN HEAD MACHINE SCREW | AV-102 |
| 25 | 1 | FEEDBACK PINION GEAR | AV-012 |
| 26 | 1 | FEEDBACK SPUR GEAR | AV-013 |
| 27 | 2 | HEX STANDOFF | AV-060 |
| 28 | 1 | FEEDBACK POTENTIOMETER MNTNG PLATE | AV-011 |
| 29 | 1 | FEEDBACK POTENTIOMETER | AV-050 |
| 30 | 2 | SS FLAT WASHER | AV-131 |
| 31 | 2 | SS SET SCREW | AV-103 |
| 32 | 1 | TERMINAL STRIP (7-POSITION) | AV-045 |
| 33 | 1 | MOTOR HOUSING BOX | AV-040 |
| 34 | 1 | 1/2" STRAIN RELIEF LIQUID-TIGHT CONNECTOR | STC-EL-112 |

*NOTE: KEY NO. 4 & 8 (AV-003 & AV-200) **MUST** BE ORDERED AS A MATCHED SET TO ASSURE PROPER TOLERANCE.



**CHEMICAL INJECTION
TECHNOLOGIES**

**SUPERIOR AUTOVALVE
VALVE ACTUATOR ASSEMBLY**

| | |
|-------------------|----------------------------|
| BY: CDT | DATE: 1 DEC '04 |
| SCALE: NTS | DWG NO: AVVL- 1/2/5 |

