

SPECIFICATIONS AND INSTRUCTIONS FOR

ATL

CFD-850-HP

HIGH PRESSURE FUEL REGULATING VALVE

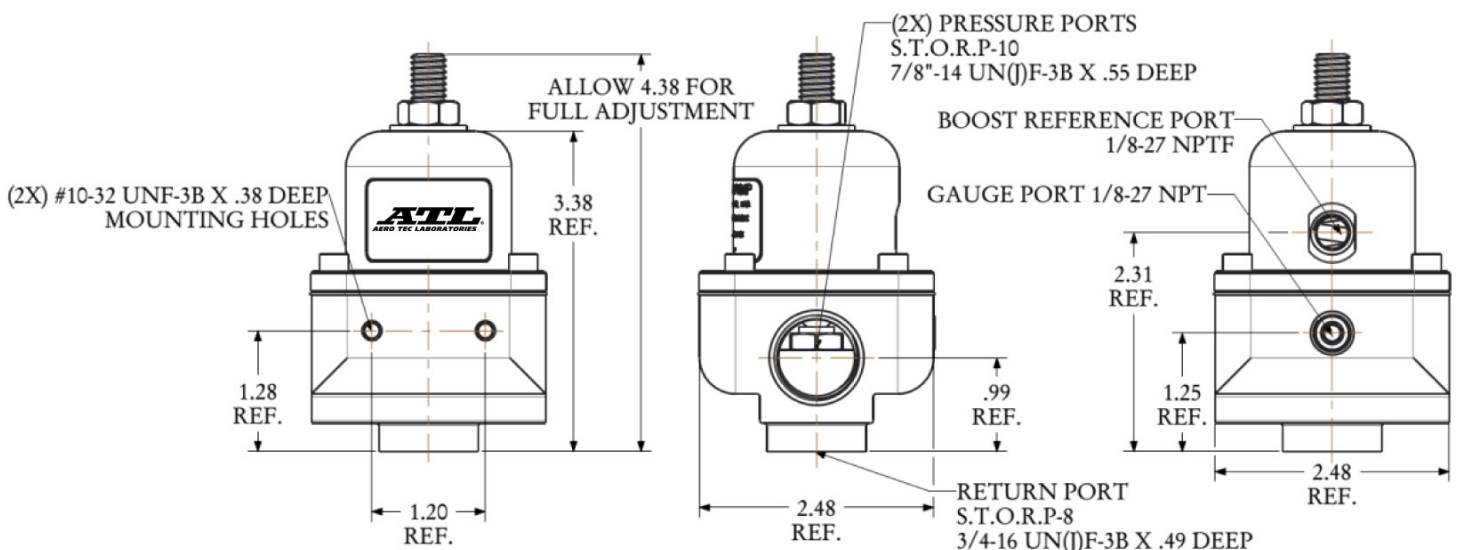


GENERAL INFORMATION:

ATL OFFERS ITS CFD-850-HP HIGH PRESSURE FUEL REGULATING VALVE WHICH EMPLOYS REPLACEABLE STAINLESS STEEL SEATS FOR LONG LIFE, AND HAVE A FLOUROSILICONE DIAPHRAGM COMPATIBLE WITH RACING FUELS, GASOLINE AND ALCOHOL. THE VALVES IS ENGINEERED WITH LARGE PORTS FOR HIGH FLOW SYSTEMS. A LARGE DIAPHRAGM SURFACE AREA GIVES ACCURATE PRESSURE REGULATION. AN 1/8 INCH GAUGE PORT IS PROVIDED, AS IS AN 1/8 INCH BOOST PRESSURE REFERENCE PORT FOR PRECISE OPERATION WITH A SUPERCHARGED ENGINE. DIFFERENT RATE SPRINGS PERMIT FINE TUNING TO MATCH THE FLOW OF VARIOUS PUMPS AND APPLICATIONS.

INSTALLATION INFORMATION:

THE REGULATING VALVE IS INSTALLED DOWNSTREAM OF THE PUMP OUTLET PORT. THE PRESSURE PORTS ARE -10 "O" RING PORTS. THE BYPASS -8 "O" RING PORT IS FOR RETURN TO TANK. THE BOOST REFERENCE PORT SHOULD BE CONNECTED TO THE INTAKE MANIFOLD ON SUPERCHARGED AND TURBOCHARGED ENGINES. ON NORMALLY ASPIRATED ENGINES, THE BOOST REFERENCE PORT CAN BE LEFT OPEN. ALL LINES MUST BE PROPERLY SIZED TO THE FUEL FLOW. THE PRESSURE SETTING IS FULLY ADJUSTABLE WITH A SIMPLE ADJUSTING SCREW AT THE TOP OF THE VALVE. THE REGULATING VALVE MUST BE MOUNTED IN SUCH A MANNER THAT MOVING COMPONENTS (I.E. THE DIAPHRAGM AND SPRING) ARE UNAFFECTED BY G-FORCES. A VERTICAL POSITION IS BEST. **PLEASE BE SURE TO SET THE VALVE BEFORE USE.**



World Headquarters

Aero Tec Laboratories Inc.
45 Spear Road Corporate Park
Ramsey, New Jersey 07446-1251 USA
Tel: +1-201-825-1400 • Fax: +1-201-825-1962
Email: atl@atllinc.com • Web: atllinc.com

European Operations

Aero Tec Laboratories Ltd.
ATL Technology Centre, Denbigh Road
Bletchley, Milton Keynes, MK1 1DF
Tel: +44 (0) 1908-351700 • Fax: +44 (0) 1908-351750
Email: atl@atlltd.com • Web: atlltd.com

ATL
DS-651
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