CHECK VALVE MODELS

The check valves produced by FE Petro® were developed to accommodate a variety of electronic and mechanical equipment used in Line Leak Detection today. Electronic Line Leak Detectors (ELLD) manufactured by some competitive companies require that the line pressure relieve to a certain pump off pressure to conduct a proper line leak test. This relief pressure varies depending on the requirements of the Line Leak Detection methodology.

FE Petro® Check Valve Models

Model “STD” Part Number 400988931 (AG: 400988934)
- Opens at about 40 PSI (2.8 bar).
- Resets above 35 PSI (2.4 bar).
- Typically used for Mechanical Line Leak Detectors (MLD) and some electronic line leak detectors (i.e., Incon, Emco Wheaton, and RJ ST).
- Identified with Silver ID Nut.

Model “R” Part Number 400988932 (AG: 400988935)
- Opens at about 24 PSI (1.7 bar).
- Resets at about 22 PSI (1.5 bar).
- Typically used for Veeder-Root® electronic Pressurized Line Leak Detectors (PLLD).
- Identified with Black ID Nut and “R” stamped on top of washer.

Model “W” Part Number 400988933 (AG: 400988936)
- Opens at about 16 PSI (1.1 bar).
- Resets at about 13 PSI (0.9 bar).
- Typically used for Electronic Line Leak Detectors Systems that require low pump off line pressures.
- Identified with Silver ID Nut and “W” stamped on top of washer.

Model “65 PSI” Part Number 402459931
- Opens at about 70 PSI (4.8 bar).
- Resets at about 65 PSI (4.5 bar).
- For use on Secondary pumps in manifolded systems only, where applicable (i.e., Veeder-Root® PLLD).
- Sold as AG compatible replacement check valve only, not factory installed in FE Petro® STP/ISTs.

Note: When ordering FE Petro® STP/ISTs, the STD model check valve is implied unless specified otherwise. Always consult with Line Leak Detector manufacturers before choosing a check valve. All FE Petro® check valve models are compatible with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE or 17% TAME with gasoline. AG check valve models are compatible with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline (consult factory for additional fuel compatibility).