

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 manufactured by several companies require that the line pressure relieve to a certain pressure (in PSI) to conduct a proper leak test. This relief pressure varies depending on the requirements of the electronic equipment.

FE Petro's Check Valve Models

Model "STD" Part Number 400988931

- 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

- Opens at about 24 PSI (1.7 bar).
- Resets at about 22 PSI (1.5 bar).
- Typically used for Veeder Root Electric Line Leak Detectors (PLLD).
- Identified with Black ID Nut and "R" stamped on top of washer.

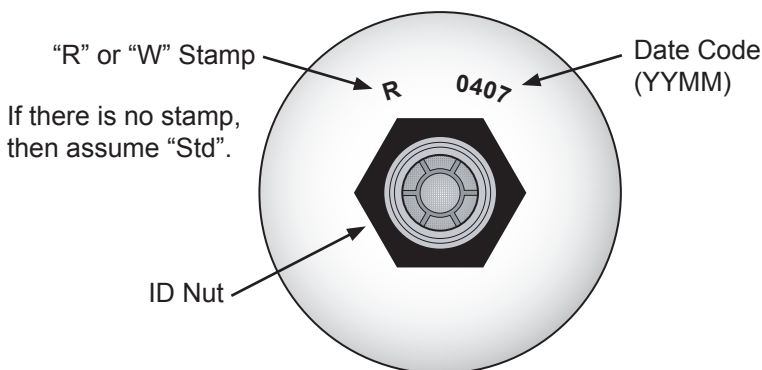
Model "W" Part Number 400988933

- 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 reset pressures.
- Identified with Silver ID Nut and "W" stamped on top of washer.

Model "65 PSI" Part Number 402459931 (new in October 2001)

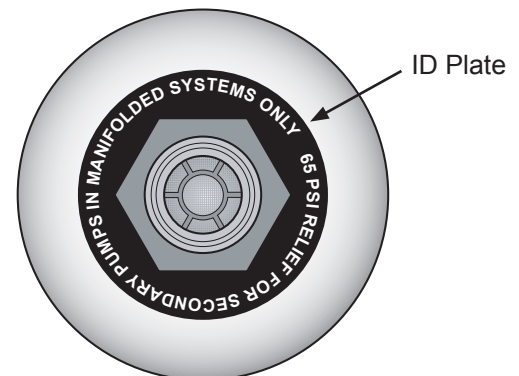
- Opens at about 70 PSI (4.8 bar).
- Resets at about 65 PSI (4.5 bar).
- For use on Secondary pumps in manifolded systems only, where applicable.
- Sold as a replacement part only, not factory installed.

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 AG compatible (see Technical Bulletin TB011 for a thorough definition of AG).



Top View of Check Valve
("R" shown)

ID Nut: Silver = "Std" or "W", Black = "R"



Top View of "65 PSI Check Valve