

# **FASTFILL** SYSTEMS™



## **JSG's Pressureless Shut Off Systems & Demobiliser Dust Caps**

# The Pressureless Fast Fill Shut Off System

With a continuing trend towards the fitting of lightweight and plastic diesel tanks comes the heightened possibility of pressure damage. JSG has acted to eliminate this problem by introducing a system which does not rely on tank pressure to shut off the diesel flow and, as a result, one that can be used on thin metal and moulded plastic tanks where pressurized systems would otherwise distort or damage the diesel tank.

## System Operation

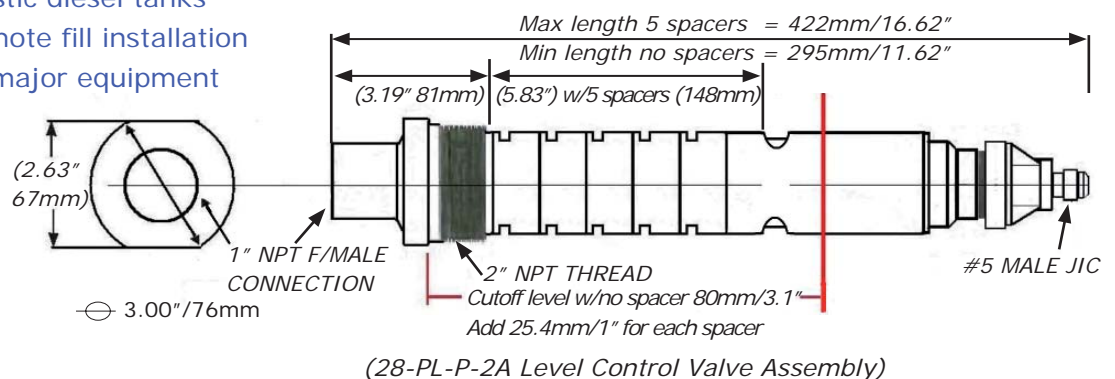
The simple operation of the Fast Fill Pressureless System sees a signal sent to the INLET shut-off valve to close once the tank is full, indicated by a signal sent by a vent/float assembly, thereby eliminating any overfilling problems. With ease of installation or retrofit to most existing diesel tank configurations, the pressureless system provides another reason to consider the Fast Fill Systems range from JSG Industrial Systems.

## Features:

- Eliminates diesel tank pressure therefore eliminates possibility of pressure damage.
- Prevents costly diesel fuel spills and is therefore environmentally friendly.
- Provides an enhanced safety factor by automatically shutting off at the desired tank level.
- Eliminates blow back of diesel fuel on the operator while refueling and keeps the operator away from any diesel spills.
- Stops diesel theft from the diesel receiver and allows a damaged Receiver attachment to be changed when the diesel tank is full.
- Once the Inlet Valve closes, the diesel Nozzle automatically turns off. OVERRIDING the diesel Nozzle will not allow any additional diesel to enter the tank that could result in tank damage or diesel spill.

## Technical Information:

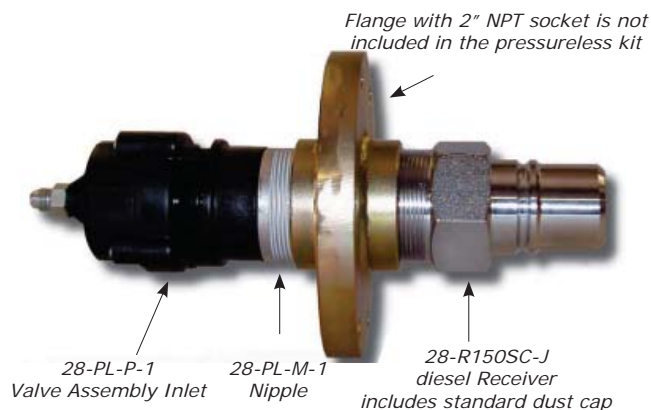
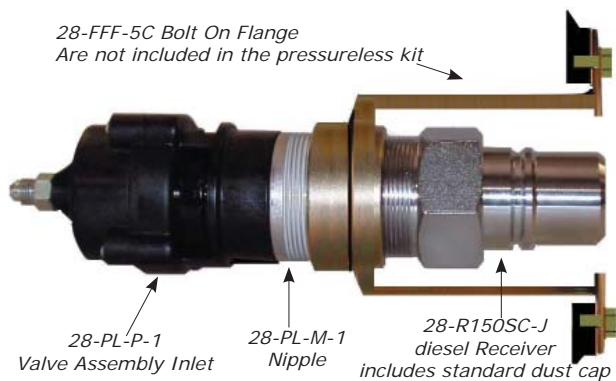
- Threads directly into an existing 2" NPT x ½ socket fitted to a standard pressurised diesel tank installation or a recessed bell housing adaptor
- Fill rate from 120lpm/32gpm up to 560lpm/150gpm
- No external sensing lines. The system has 1 internal sense line
- Easy installation/retrofit to existing tank configurations
- Compatible with plastic diesel tanks
- Direct in-tank or remote fill installation
- Proven design with major equipment manufacturers from haul trucks to dozers and other support equipment



# The Pressureless Fast Fill Shut Off System

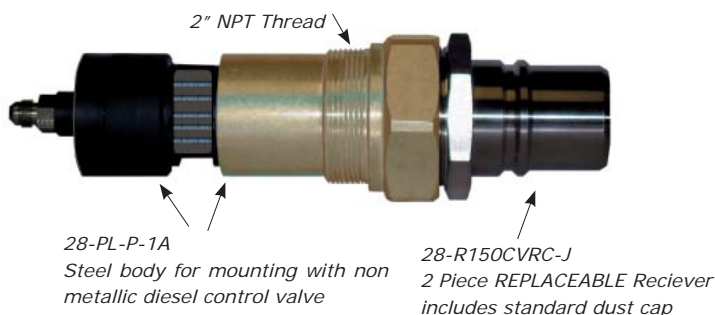
## Model 28-PL150-STD

An adaptable pressureless shut off system suitable for applications where there is an existing bolt-on bell housing prefitted to the diesel tank or where an existing pressure system has a recessed flange mount fitted to the diesel tank. Applications include Bell Housing, Remote Receiver, Pontoon, Lighting Plant, Gen Set Mount and Custom Mount for specific applications. Any mounting flange / mounting adaptor will require a 2" NPT socket to assemble this unit. Flanges are not included in the kits.



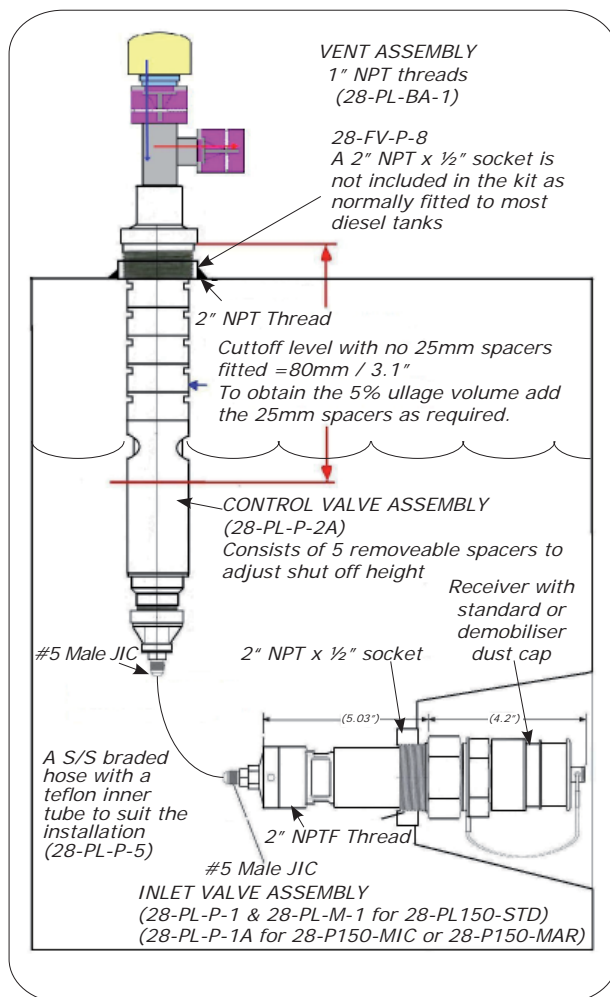
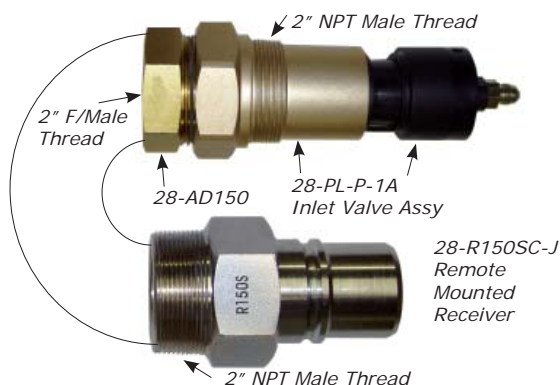
## Model 28-PL150-MIC

The Micro pressureless shut off system is suitable for retrofitting to any existing pressurised diesel in-tank shut off system where there are 2 x 2" NPT x 1/2 sockets fitted to the diesel tank.



## Model 28-PL150-MAR

A micro pressureless shut off system is suitable for retrofitting to any existing pressurised diesel in-tank shut off system which has a 2" NPT remote receiver connection.



# Demobiliser Dust Caps For Mobile Units

The Demobiliser dust cap has been designed to add an additional degree of safety to your operation by ensuring that machines involved in diesel and fluid refilling or evacuation operations are rendered inactive throughout the filling or evacuation process. The demobiliser dust caps will eliminate accidental drive away whilst still connected to the diesel and fluid supply lines or waste tank.

The Demobiliser Unit consists of modified Fast Fill diesel or fluid dust caps fitted with an inductive proximity switch that will allow the machine to operate only when the dust caps are securely fitted to the appropriate receivers. At the same time, having the machine operable only when the dust caps are fitted, ensures that dirt and other potential contaminants are not able to ingress into the diesel or fluid tanks through the fill point.

## Additional Benefits:



- Enhances your Hydrocarbon Management Systems.
- Eliminates the risk of vehicle movement during the refilling or evacuation process.
- Eliminates the risk of damage to people, property and equipment.
- Minimises the risk of damage to the environment.
- Minimises wear to refilling or evacuation hardware and reduce contamination to the diesel or fluid systems.

Part No.	Suit Receiver	Application
28-C150DMS	28-R150	Diesel
28-C100DMS	28-R100	Crankcase
28-C200DMS	28-R200	Coolant
28-C300DMS	28-R300	Hydraulic
28-C400DMS	28-R400	Transmission
28-C100RDMS*	28-R100R	Crankcase
28-C200RDMS*	28-R200R	Coolant
28-C300RDMS*	28-R300R	Hydraulic
28-C400RDMS*	28-R400R	Transmission

NOTE: \*Caps available upon request



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