

**FAST FILL
SYSTEMS**

**PRODUCT TECHNICAL
CATALOGUE 2019**

INFINITE POSSIBILITIES

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TO SERVICE YOUR DIESEL POWERED UNITS FAST FILL OFFER SPECIALISED PRODUCTS ENABLING SERVICE PEOPLE TO CARRY OUT THE FILL & EVACUATION PROCEDURES EFFICIENTLY AND IN A SAFE MANNER. USED WITH DIESEL, COOLANT, CRANKCASE, TRANSMISSION & HYDRAULIC OILS, FAST FILL ASSISTS BY:

- ◆ **Eliminating dirt and dust contamination in diesel fuel and other fluids.**
- ◆ **Eliminating costly spillage of diesel fuel and other fluids.**
- ◆ **Protecting the environment.**
- ◆ **Providing an increase in safety and cleanliness for servicing personnel.**

THE ON-GOING DEVELOPMENT OF “FAST FILL SYSTEMS” PRODUCT RANGE ADDRESSES THESE PROBLEMS WHEN SERVICING YOUR DIESEL POWERED UNITS. THIS ON-GOING DEVELOPMENT OF THE “FAST FILL SYSTEMS” PRODUCT RANGE PROVIDES GREATER COST SAVINGS THROUGH:

- ◆ Greater vehicle availability due to the elimination of contaminants entering the system be if diesel or oils
- ◆ The reduction in filling time for diesel fuel and other fluids
- ◆ Eliminate spillage

WHEN INSTALLING THE FAST FILL PRODUCTS RANGE YOU WILL BE IMPRESSED WITH THE HIGH QUALITY AND HEAVY CONSTRUCTION OF THE PRODUCTS IN THE /FAST FILL SYSTEMS RANGE.

Applications:

- ◆ Mine/Quarry Fuel Farms
- ◆ Heavy Earth Moving Equipment - Mining, Quarrying
- ◆ Construction Machinery - Civil, Forestry, Agriculture
- ◆ Marine & Stevedoring Industry
- ◆ On Road Trucks & Buses
- ◆ Railway Industry
- ◆ Councils



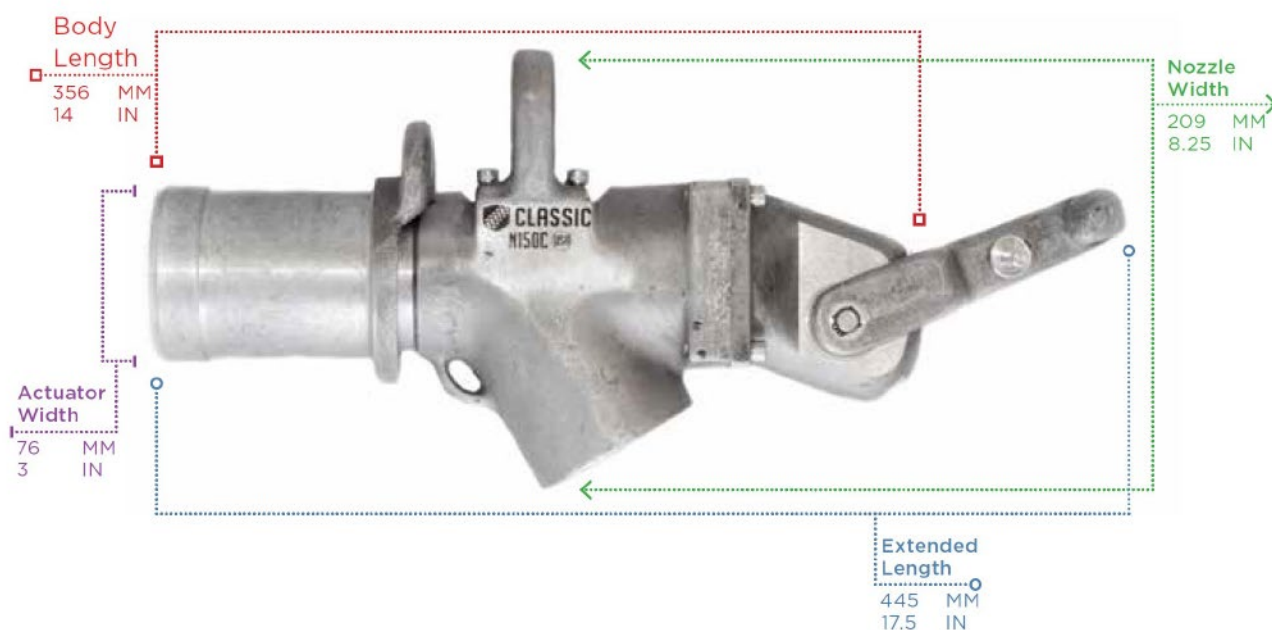
PREFIX	REFERSTO	DESCRIPTION/INFORMATION	APPLICATION/OTHER INFORMATION
DIESEL			
A	DIESEL FAST FILL ADAPTOR	STRAIGHT 45° & 90°	SPLASH FILL ATTACHMENT USING AN 150 NOZZLE
C	DUST CAP	SUIT RECEIVERS	AS A SPARE PART ONLY
FFF4C	BELL HOUSING	FLANGED RECESS MOUNT FOR R150# & PLA150 UNITS	WELD ON X FLUSH MOUNT RECEIVER HOUSING ONLY
FFF5C	BELL HOUSING	FLANGED RECESS MOUNT FOR R150# & PLA150 UNITS	BOLT ON X FLUSH MOUNT RECEIVER HOUSING ONLY
N	NOZZLE	1.5" & 2" NPT FEMALE THREADS	PRESSURE SENSITIVE NOZZLES
P	DUST PLUGS	SUIT NOZZLE	AS A SPARE PART ONLY
PLA	PRESSURELESS	USED IN A PRESSURELESS DIESEL TANK	PRESSURELESS SYSTEMS FOR DIESEL TANKS
R	RECEIVER	2" NPT MALE THREADED	CONNECTS WITH N150 SERIES DIESEL NOZZLES
S	SWIVEL	1.5" 2" NPT MALE/FEMALE THREADS	INLET SWIVEL FOR N150 SERIES DIESEL NOZZLES
V	VENT ASSY	2" NPT MALE THREADED	BREATHING/VENT FOR PRESSURISED DIESEL TANKS
SUFFIX	REFERSTO	DESCRIPTION/INFO	APPLICATION/OTHER INFO
NOZZLES			
T	TITAN	PRESSURE SENSITIVE NOZZLE	USES ELASTO DOGS AS RESTRAINTS
R	RAPTOR	PRESSURE SENSITIVE NOZZLE	USES ELASTO DOGS AS RESTRAINTS
PB	PITBOSS	PRESSURE SENSITIVE NOZZLE	USES ELASTO DOGS AS RESTRAINTS
SL & SL800	SURELOC STANDARD & HIGH FLOW	PRESSURE SENSITIVE NOZZLE	USES BALL BEARINGS RETAINING LOCKS
B	BULK TRANSFER	NON PRESSURE SENSITIVE NOZZLE	CONNECTS TO R150 RECEIVERS AS A QDC
FOR RECEIVERS			
A	ALUMINIUM	MATERIAL	INDUSTRY STD/SUBJECT TO HIGH WEAR RATE
S	STEEL	MATERIAL	MORE ROBUST UNITS
SS	STAINLESS STEEL	MATERIAL	SPECIAL APPLICATION
CV	CHECK VALVE	ABILITY TO CHANGE RECEIVER 'ON THE RUN'	ANTI PILFERING OF DIESEL/NO NEED TO EMPTY TANK
CVR	2X PIECE STEEL RECEIVER	STEEL RECEIVER FOR THE R150 CVC-A	REPLACE UNIT ON THE RUN WITH CHECK VALVE IN PLACE
SW	SOCKET WRENCH	FITTING/REMOVAL TOOL	SUITS HEX & LENGTH OF DIESEL RECEIVERS
RECEIVER SPRING RATING			
J	5 PSI SPRING	RECEIVER GREEN POPPET FOR PRESSURELESS UNITS #	PRESSURELESS SYSTEMS
B	7 PSI SPRING	RECEIVER BLUE POPPET	REMOTE FILL POINT CONNECTIONS OR HIGH HEAD
A	9 PSI SPRING	RECEIVER BLACK POPPET	STD UNIT
D	11 PSI SPRING	RECEIVER RED POPPET	FOR NEGATIVE HEAD APPLICATION ONLY
E	5 PSI SPRING	RECEIVER PURPLE POPPET FOR PRESSURISED TANKS	# EXTRA HIGH HEAD & REMOTE CONNECTION FOR CHECK VALVE
DIESEL VENTS			
NO SUFFIX	5" DROP	STANDARD LENGTH VENT NO ADAPTOR	LARGE FLAT TOP DIESEL TANKS
L7	7" DROP	LONG LENGTH VENT NO ADAPTOR	MAJORITY OF APPLICATIONS
L12	12" DROP	LONG STEM VENT NO ADAPTOR	TO OBTAIN THE 56 LTR ULLAGE IN SMALLER TANKS
A	2" NPT X HALF SOCKET	WELDON SOCKET	TO MOUNT VENTS & RECEIVERS
B	2" NPT 4 BOLT-ON FLANGE	BOLT ON UNIT	OPTIONAL MOUNT FOR VENT
C	¾" F/MSWIVEL CONNECTION	FOR VAPOUR VENT CONNECTION	TO DIRECT VAPOUR AWAY FROM SERVICE PERSON
D	ANTI VANDALISM	4" NPT FEMALE THREAD	SUIT 4" NPT STD CATSPLASH FILL CONNECTION
H	HIGH VOLUME VENT	300 GPM AIR FLOW	211 GPM SAFETY RELIEF
W	WHISTLE	SPECIAL VENT	WHISTLES WHEN DIESEL TANK IS NEARING FULL
E	5" DROP (1 ½" OUTLET)	STANDARD LENGTH VENT NO ADAPTOR	LARGE FLAT TOP DIESEL TANKS
CKV	HIGH FLOW WITH CHECK	ONE WAY CHECK ON OUTLET	USE WITH FFV150-BCKV
CAPS & PLUGS			
P	PLUS PLUG	FITTED TO N150## NOZZLE	PLUG INCLUDED IN PART NO. N150##P
C	PLUS CAP	FITTED TO R150## RECEIVER	CAP INCLUDED IN PART NO. R150##C
C150P	PLASTIC DUST CAP	FITTED TO R150## RECEIVER	CAP INCLUDED IN PART NO. R150##CP
C150A	ALUMINIUM DUST CAP	FITTED TO R150## RECEIVER	CAP INCLUDED IN PART NO. R150##CA
PRESSURELESS DIESEL TANK FAST FILL UNITS			
PLA150-***	VARIOUS CONFIGURATIONS OF "AL" BODIES & STEEL RECEIVERS WITH SIDE, REMOTE & TOP FILL UNITS AVAILABLE.		

*** REFERS TO THE PRESSURELESS DIESEL TANK FILLING SYSTEM DESIGN FOR PLASTIC, "AL" & STEEL DIESEL



DIESEL NOZZLES

CLASSIC NOZZLE



THE CLASSIC NOZZLE CONTAINS TRADITIONAL COMPONENTS THAT HAVE BEEN IN USE FOR DECADES. THIS ALL-METAL NOZZLE PROVIDES THE OPERATOR WITH A FAMILIAR, PROVEN PIECE OF QUALITY EQUIPMENT THAT HAS A LONG HISTORY OF BEING THE STANDARD NOZZLE OF THE HEAVY EQUIPMENT INDUSTRY.

PRESSURISED DIESEL TANKS = 125 LPM/33 GPM

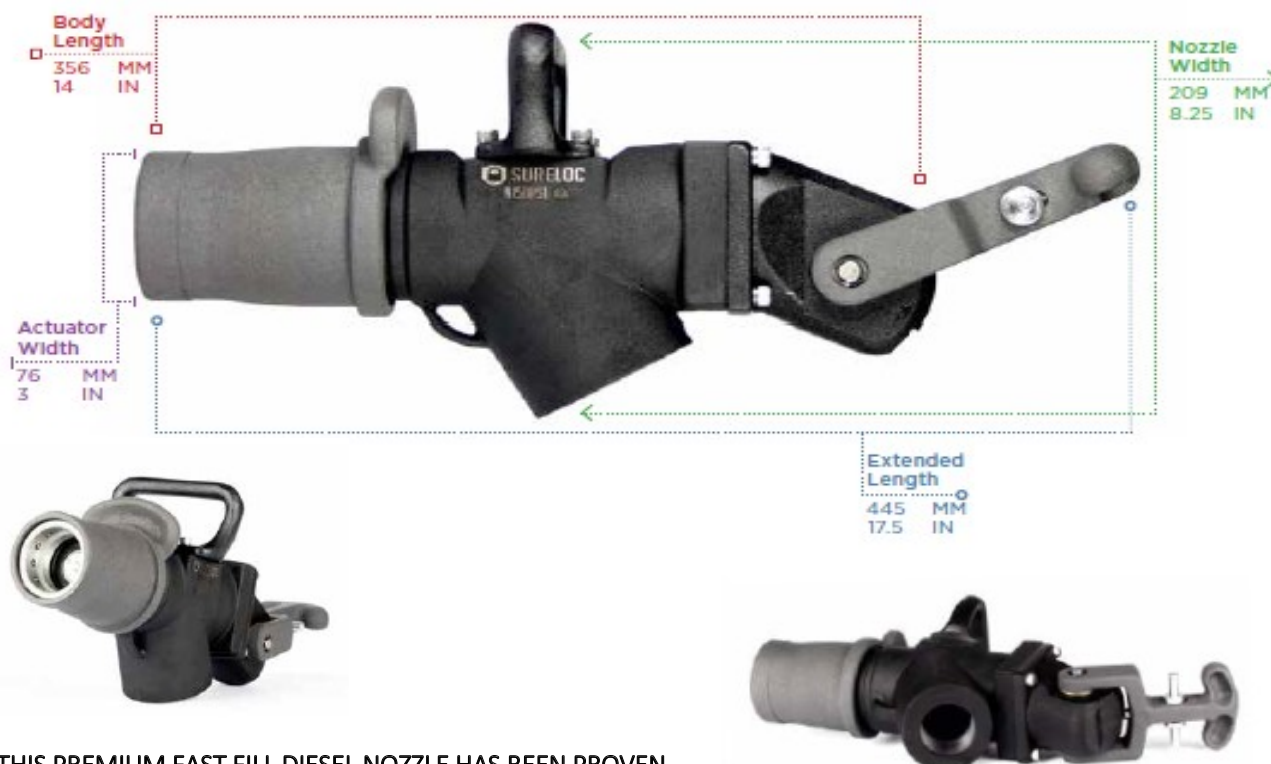
PRESSURELESS DIESEL TANKS = 95 LPM/25 GPM

MODEL NUMBER	N150Cp
FLOW RATE (MAX)	567LPM/150GPM
FLOW RATE (MIN)	REFERTO INFO ABOVE
OPERATING PRESSURE	5.171BAR/75PSI(MAX)
INLET PORT	1½" NPT FEMALE
LATCH MECHANISM	12XSTAINLESSSTEELBALLBEARING
MATERIAL	HEAT-TREATED ALUMINIUM
WEIGHT	3.515 KG/7.75 LBS 30Z
SWIVEL P/NO. S150	1½" NPT MALE/FEMALE
SWIVEL P/NO. S125	1¼" NPT MALE/FEMALE



DIESEL NOZZLES

PISTON SURELOC NOZZLE



THIS PREMIUM FAST FILL DIESEL NOZZLE HAS BEEN PROVEN TO MEET THE HARSH ENVIRONMENTS FOUND IN MINING OPERATIONS. THE EXTERIOR OF THIS ALL-METAL NOZZLE HAS A POWDER COATED FINISH TO ENSURE DURABILITY. THE MAIN HOUSING ALSO HAS AN EXTENDED WALL THICKNESS, MAKING THE SURELOC THE DIESEL FAST FILL NOZZLE OF CHOICE FOR HEAVYDUTY APPLICATIONS. THE SL800 RANGE OF SURELOC NOZZLES PROVIDES HIGHER FLOW RATES TO 800 LPM.

THE INTERNAL CONSTRUCTION OF THE SURELOC NOZZLE CONSISTS OF A 12 STAINLESS STEEL BALL BEARING LATCH MECHANISM FOR A MORE POSITIVE AND STRONGER CONNECTION ONTO THE RECEIVER WHILST THE DIAPHRAGM IN THE REAR PROVIDES A BETTER AND SMOOTHER CONTROLLED SHUT OFF.

MINIMUM DIESEL FILL RATES FOR DIESEL TANKS

PRESSURISED DIESEL TANKS = 125 LPM/33 GPM

SUITS A WWS JN125 RECEIVER.

MODEL NUMBER	N150SLP (N150SLW/OPLUG)
FLOW RATE (MAX)	567LPM/150GPM
FLOW RATE (MIN)	REFERTOINFOABOVE
OPERATING PRESSURE	5.171BAR/75PSI(MAX)
INLET PORT	1½" NPT FEMALE
LATCH MECHANISM	12XSTAINLESSSTEELBALLBEARING
MATERIAL	HEAT-TREATED ALUMINIUM
WEIGHT	3.71 KG/8LBS3OZ
SWIVEL P/NO. S150	1½" NPT MALE/FEMALE
SWIVEL P/NO. S125	1¼" NPT MALE/FEMALE

SUITS A WWS JN125 RECEIVER.

MODEL NUMBER	N150SL800P N150SL800 (W/O PLUG)
FLOW RATE (MAX)	800LPM/212GPM
FLOW RATE (MIN)	REFERTOINFOABOVE
OPERATING PRESSURE	5.171BAR/75PSI(MAX)
INLET PORT	2" NPT FEMALE
LATCH MECHANISM	12XSTAINLESSSTEELBALLBEARING
MATERIAL	HEAT-TREATED ALUMINIUM
WEIGHT	3.71 KG/8LBS3OZ
SWIVEL P/NO. S200	2" NPT MALE/FEMALE
ALT. SWIVEL P/NO. S215	2" NPT MALE X 1½" NPT FEMALE



DIESEL NOZZLES

PITBOSS NOZZLE



THE PITBOSS NOZZLE IS A PERFECT FIT FOR USERS LOOKING FOR A MORE ECONOMICAL DIESEL FUELING SOLUTION. FEWER INTERNAL COMPONENTS, ALLMETAL CONSTRUCTION, PISTON-DRIVEN ENGAGEMENT, AND A POWDER COATED FINISH, YOU WON'T HAVE TO SACRIFICE QUALITY FOR A LOWER COST.

THE PITBOSS IS ALSO AVAILABLE IN BRONZE CONSTRUCTION FOR UNDERGROUND MINING (PART NO.N150PBSP) AND ALSO IS AVAILABLE AS "BRINE RESISTANT (PART NO.N150PBP-BR). THE PITBOSS NOZZLE HAS ELASTO DOG LATCHING MECHANISM ALLOWING POSITIVE LATCHING WHERE CONTAMINATION ON THE RECEIVER MAY PRESENT A PROBLEM AND HAS A PISTON SHUT OFF CONTROL AT THE REAR END.

MINIMUM DIESEL FILL RATES FOR DIESEL TANKS

ALUMINIUM

MODEL NUMBER	N150PBP (N150PB W/O PLUG)
FLOW RATE (MAX)	567LPM/150GPM
FLOW RATE (MIN)	REFER TO INFO ABOVE
OPERATING PRESSURE	5.171BAR/75PSI(MAX)
INLET PORT	1½" NPT FEMALE
LATCH MECHANISM	ELASTO DOG
MATERIAL	HEAT-TREATED ALUMINUM
WEIGHT	2.835KG/6LBS4OZ
SWIVEL P/NO. S150	1½" NPT MALE/FEMALE
SWIVEL P/NO. S125	1¼" NPT MALE/FEMALE

BRONZE

MODEL NUMBER	N150PBSP N150PBS(W/OPLUG)
FLOW RATE (MAX)	567LPM/150GPM
FLOW RATE (MIN)	REFER TO INFO ABOVE
OPERATING PRESSURE	5.171BAR/75PSI(MAX)
INLET PORT	1½" NPT FEMALE
LATCH MECHANISM	ELASTO DOG
MATERIAL	BRONZE
WEIGHT	7.08 KG / 15.6LBS
SWIVEL P/NO. S150S	1½" NPT MALE/FEMALE/STEEL

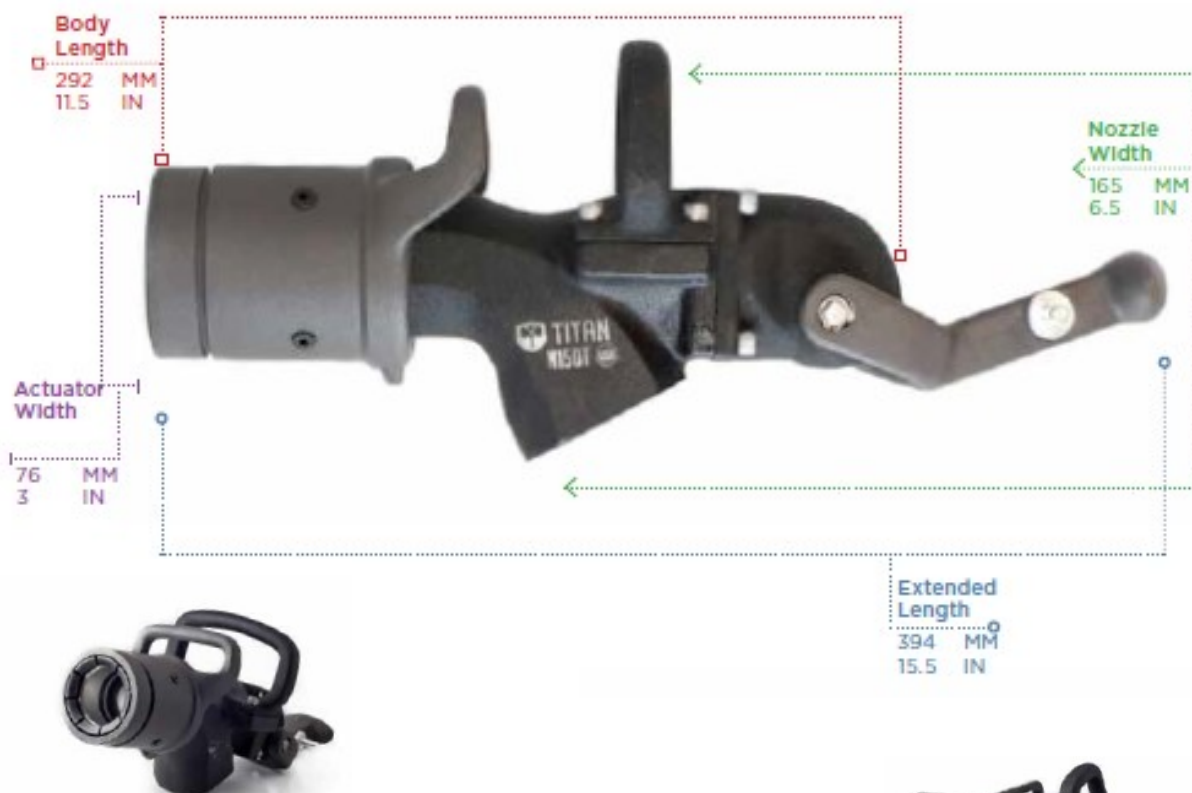
BRINE RESISTANT

MODEL NUMBER	N150PBP-BR (N150PB-BRW/O PLUG)	OPERATING PARAMETERS AS PER N150PBP
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DIESEL NOZZLES

TITAN NOZZLE



THE TITAN NOZZLE IS THE SMALLEST AND LIGHTEST DIESEL NOZZLE INDUSTRY WIDE WITH AN ALL METAL HOUSING, A NON-SLIP POWDER-COATED FINISH AND HAS THE MOST FORGIVING LATCHING MECHANISM IN DIRTY CONDITIONS. THE UNIQUE PATENT PENDING DESIGN ALLOWS THE NOZZLE TO BE FIELD REPAIRABLE. THE TITAN NOZZLE HAS ELAS-TO DOG LATCHING MECHANISM ALLOWING POSITIVE LATCHING WHERE CONTAMINATION ON THE RECEIVER MAY PRESENT A PROBLEM AND THROUGH THE USE OF THE REPLACEMENT CARTRIDGE HAS A PISTON SHUT OFF CON- TROL AT THE REAR END.

MINIMUM DIESEL FILL RATES FOR DIESEL TANKS

- ◆ PRESSURISED DIESEL TANKS = 125 LPM/33 GPM
- ◆ PRESSURELESS DIESEL TANKS = 95 LPM/25 GPM

MODEL NUMBER	N150TP N150T (W/O PLUG)
FLOW RATE (MAX)	567 LPM/150 GPM
FLOW RATE (MIN)	REFER TO INFO ABOVE
OPERATING PRESSURE	5.17 BAR / 75 PSI (MAX)
DIESEL INLET PORT	1½" NPT FEMALE
LATCHING MECHANISM	ELASTO DOG
MATERIAL	HEAT-TREATED ALUMINUM
WEIGHT	2.835 KG/6 LBS 4 OZ
SWIVEL P/N S150	1½" NPT MALE/FEMALE
N150TRC	REPLACEMENT CARTRIDGE



DIESEL NOZZLES

PISTON SURELOC N1000PSL NOZZLE



OUR LATEST, STATE OF THE ART NOZZLE IS RATED FOR FLOW RATES UP TO 1000 LPM (265 GPM), INCLUDES 2" NPT THREADS FOR AN EASY RETROFIT FOR EXITING TRADITIONAL FUELING RECEIVERS AND VENTS. UTILIZING OUR ROBUST PISTON SURELOC DESIGN THE N1000PSL USES A 12-BALL STAINLESS BALL-BEARING LATCHING MECHANISM ENSURING A SECURE LATCH TO THE RECEIVER.

- ◆ POWDER COATED NON-SLIP FINISH FOR BETTER GRIP.
- ◆ STURDY BUILD FOR GREATLY INCREASED LIFESPAN.
- ◆ BALL BEARING LATCHING FOR SECURE CONNECTION.
- ◆ WITHSTANDS EXTREME TEMPERATURES

MODEL NUMBER	N1000PSL
FLOW RATE (MAX)	1000L/263GPM
FLOW RATE (MIN)	94.5LPM
OPERATING PRESSURE	5.17BAR/75PSI (MAX)
DIESEL INLET PORT	2" NPT FEMALE
LATCHING MECHANISM	BALL BEARING
MATERIAL	ALL-METAL NOZZLE HAS A POWDER COATED FINISH
WEIGHT	3.6KG/7.9LBS
SWIVEL P/N S200	1½" NPT MALE/FEMALE



PRESSURELESS SYSTEM

PLA1000-M VLCE



PISTON SURELOC N1000PSL NOZZLE



WHEN COMBINED WITH THE N1000PSLP NOZZLE, AND OUR PLA1000-M SV, FLOW RATES OF UP TO 1000 LPM ARE ACHIEVABLE. WITH PRESSURELESS OPERATION, THIS SYSTEM PROVIDES YOUR OPERATORS A CLEAN & SAFE WAY TO REFUEL HIGH

- AUTOMATIC SHUT-OFF WITHOUT INDUCING PRESSURE INTO THE TANK.
- POSITIVE SHUT-OFF SYSTEM SENSES THE FLUID LEVEL IN THE TANK.
- DIESEL-RESISTANT CLOSED-CELL FOAM FLOAT FOR SHUT-OFF.
- 2" NPT EASILY FITS MOST TANK APPLICATIONS.

PLA1000-M SV



THIS HIGH FLOW RECEIVER CAN HANDLE THE MOST DEMANDING HIGH VOLUME APPLICATIONS. WHEN PAIRED WITH AN N100PSLP NOZZLE AND OUR PLA1000-M VLCE. MADE OF EXTREMELY DURABLE NICKEL-PLATED STEEL, THIS RECEIVER WILL LAST IN THE HARSHTEST ENVIRONMENTS. THE NEW ENCLOSED SPRING DESIGN SMOOTHS FLUID FLOW TO PREVENT VIBRATIONS CAUSED BY HIGH FLOW RATES.

- ◆ MAXIMUM OPERATING PRESSURE: 5.17BAR/75PSI
- ◆ CONSTRUCTION: NICKEL PLATED STEEL. ANODIZED ALUMINIUM.

THESE ITEMS MUST BE USED WITH THE N1000PSLP NOZZLE TO ACHIEVE THE 1000LPM FLOW RATE.

DIESEL RECEIVERS (FOR PRESSURISED DIESEL TANKS)

STEEL & ALUMINIUM DIESEL RECEIVERS

PART NUMBER	DESCRIPTION
R150AC-A	ALUMINIUM RECEIVER WITH PLASTIC CAP BLACK POPPET, RATED FOR 9 PSI. USED ON STANDARD DIESEL TANKS ON TRUCKS ETC.
R150AC-B	ALUMINIUM RECEIVER WITH PLASTIC CAP, BLUE POPPET, RATED FOR 7 PSI. USED ON HIGH AND REMOTE TANKS.
R150AC-D	ALUMINIUM RECEIVER WITH PLASTIC CAP, RED POPPET, RATED FOR 11 PSI. USED ON NEGATIVE HEAD APPLICATIONS. TOP FILL PONTON.
R150SC-A	STEEL RECEIVER WITH PLASTIC CAP BLACK POPPET, RATED FOR 9 PSI. USED ON STANDARD DIESEL TANKS ON TRUCKS ETC.
R150SC-B	STEEL RECEIVER WITH PLASTIC CAP, BLUE POPPET, RATED FOR 7 PSI. USED ON HIGH AND REMOTE TANKS.
R150SC-D	STEEL RECEIVER WITH PLASTIC CAP, RED POPPET, RATED FOR 11 PSI. USED ON NEGATIVE HEAD APPLICATIONS. TOP FILL PONTON.
R150SC-E	STEEL RECEIVER WITH PLASTIC CAP, PURPLE POPPET RATED FOR 5 PSI. USED ON PRESSURE UNITS AS A REMOTE RECEIVER IN LIEU OF AN R150SC-A, WHEN USING THIS REMOTE RECEIVER THE R150CV-BASE AND APPROPRIATE FITTINGS MUST BE USED.

For receivers with aluminium caps order with "A" after the "C" in the above part numbers. eg. R150SCA-A

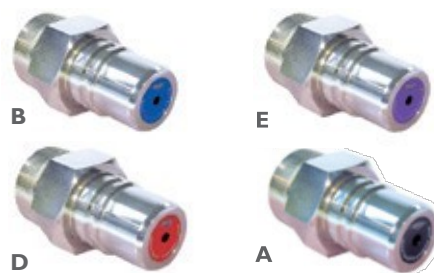
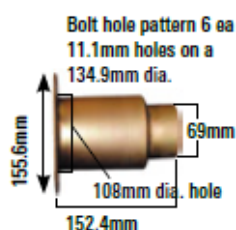
NOTE: All the FAST FILL x FFS Diesel Receivers & Diesel Vents have a 2" NPT Male thread. Do not use any 2" BSP x Half Sockets/Adaptors to mount any Diesel Units to the Diesel Tanks.

Flush Mount Bell Housing and Accessories

The flush mount Bell Housing allows your diesel tank to be fitted with a steel or aluminium receiver that does not protrude past the tank, providing a more safety and maintenance friendly solution

The flanged bell housings are spun steel with a 2" NPT Female thread. The FFF-6C weld-on flange allows the FFF-5C bell housing to be bolted onto diesel tanks

NOTE: To have the appropriate flange and diesel receiver combination, the flange and diesel receiver must be ordered as two separate items. All above diesel receivers suit both styles of Flanged Bell Housings.



The Fast Fill receivers are available in either Aluminium or Nickel Plated Steel. The Nickel Plated Steel receivers are the same price as the Aluminium receivers. The Fast Fill receivers are completely compatible with all major Fast Fill diesel fuel nozzles. The colour of the poppet indicates the pressure ratings of the Spring in the different Diesel Receivers



FLANGED HOUSING	WELD-ON UNIT	BOLT-ON UNIT	WELD-ON FLANGE
PART NO	FFF-4C	FFF-5C	FFF-6C

#NOTE: The FFF-4C & FFF-5C are also used with the Pressureless Diesel Units.

The Flanged Housings are suitable to mount in Pressurised Diesel Tanks or the Pressureless Diesel Tank Units using the appropriate receivers.

Frequently flanged mounted diesel receivers are caked with dirt and mud. It is inevitable that eventually some of that contamination will find its way into the diesel tank.

To eliminate this problem the fitting of a skirt (FMF-SK) when used in conjunction with either the Fast Fill Plastic (C150P) or Aluminium (C150A) Diesel Receiver Dust Caps will provide total closure of the Bell Housing cavity and around the Diesel receiver eliminating contamination ingress.

CHECK VALVE WITH REPLACEABLE RECEIVER & DUST CAP

Is your diesel refueling process plagued by constant dripping or a steady stream of Diesel?

Chances are that your diesel receivers have not been changed out regularly or have been otherwise damaged. Worn receivers will cause leaking in the diesel refueling process and will prematurely wear out seals in the diesel nozzles, causing even more profuse leaking.

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

Allows a damaged receiver attachment to be changed when the diesel tank level is "Above the Receiver"

◆ R150CVC-A / R150CVC-E ALUMINIUM CHECK VALVE BASE AND STEEL RECEIVERS

The Fast Fill "Check Valve" system is a revolutionary patented device that allows you to easily replace a worn receiver. As a safety device, it eliminates the potential of personnel being sprayed with diesel when uncoupling the nozzle from the receiver. As an environmental device, it helps eliminate diesel spills caused by damaged or worn receivers and from any potential misuse of proper receiver operation. It also eliminates the potential for diesel theft.

The Remote R150SC-E Receiver can be used with the R150CV-BASE & the AD150 or AD150J to have a remote fill point with the check valve fitted directly to the diesel tank.

Komatsu, CAT and other dump trucks that have a 2" NPT female fitting/blanking plate on the inner wall of the diesel tank can have the remote check valve fitted to minimise diesel leaks if the diesel fill hose is damaged by debris from the haul roads, etc. Attractively priced, you can retrofit your entire fleet for a minimal investment. The savings from lost diesel or a spill incident will make this product a must for your operations.

◆ THE RECEIVER IS STEEL AND IS AVAILABLE WITH BLACK POPPET (9 PSI) FOR STANDARD DIESEL TANKS OR PURPLE POPPET (5 PSI) FOR REMOTE FILLING OF STANDARD DIESEL TANKS.

For remote mounting receiver applications where the R150CV-BASE is fitted with AD150.

◆ R150CV-A-SS / R150CV-A-SSAL CHECK VALVE BASE AND STAINLESS STEEL RECEIVERS

The R150CV-A-SS is a Stainless Steel Check Valve Base fitted with a Stainless Steel Receiver.

The R150CV-A-SSAL is an Aluminium Check Valve Base fitted with an Stainless Steel Receiver.



Check Valve Receiver

R150CVRC-A / R150CVRC-E

The replacement receiver for the "Check Valve" system is made from steel and is nickel-plated. This is a specialised receiver that is designed to work with the "Check Valve" system, and is not interchangeable with a standard receiver.

The receiver is steel and comes in 9 psi (black poppet) or 5 psi (purple poppet) pressure ratings for remote receiver applications.

DIESEL VENTS (FOR PRESSURISED DIESEL TANKS)

DIESEL FUEL VENT OPTIONS			
STANDARD VENT			
	5" EXTENSION	7" EXTENSION	12" EXTENSION
TYPE	PART NO.	PART NO.	PART NO.
NO ADAPTOR	V150	V150L7	V150L12
HALF COUPLING	V150A	V150AL7	V150AL12
BOLTON FLANGE	V150B	V150BL7	V150BL12
ANTI VANDALISM	V150D	V150DL7	V150DL12
ROLLOVER PROTECTION	V150R		
THREADED STANDARD VENT			
TYPE	PART NO.	PART NO.	PART NO.
NO ADAPTOR	V150C	V150CL7	V150CL12
HALF COUPLING	V150CA	V150CAL7	V150CAL12
BOLTON FLANGE	V150CB	V150CBL7	V150CBL12
ANTI VANDALISM	V150CD	V150CDL7	V150CDL12
WHISTLE VENT			
TYPE	PART NO.	PART NO.	PART NO.
NO ADAPTOR	V150W	V150WL7	V150WL12
HALF COUPLING	V150WA	V150WAL7	V150WAL12
BOLTON FLANGE	V150WB	V150WBL7	V150WBL12
ANTI VANDALISM	V150WD	V150WDL7	V150WDL12
THREADED WHISTLE VENT			
TYPE	PART NO.	PART NO.	PART NO.
NO ADAPTOR	V150WC	V150WCL7	V150WCL12
HALF COUPLING	V150WCA	V150WCAL7	V150WCAL12
BOLTON FLANGE	V150WCB	V150WCBL7	V150WCBL12
ANTI VANDALISM	V150WCD	V150WCDL7	V150WCDL12



V150R



V150C



V150H—FF150-BCKV
FILTER MUST BE USED
WITH THIS VENT

HIGH VOLUME VENT		
TYPE	STANDARD VENT	THREADED STANDARD VENT
NO ADAPTOR	V150H	V150WCL7
HALF COUPLING	V150HA	V150WCAL7
BOLTON FLANGE	V150HB	V150WCBL7
ANTI VANDALISM	V150D	V150WCDL7
WITH CHECK VALVE	V150H-CKV	V150WCDL7



ANTI-VANDALISM 4"
NPT (F) THREAD 150D



V150A. HALF
COUPLING FV-P-8



V150H HIGH
VOLUME

VENT SAFETY RELIEF VALVE	
TYPE	PART NO.
SAFETY RELIEF VALVE PROVIDING OVER-PRESSURE PROTECTION IN CASE OF NOZZLE SHUT-OFF FAILURE. RELIEVES 150 GPM @ 15 PSI & 325 GPM @ 25 PSI	V150R



V150B WITH THIS VENT
BOLT-ON FLANGE FV-P-9



V150W



V150R SAFETY
RELIEF VALVE

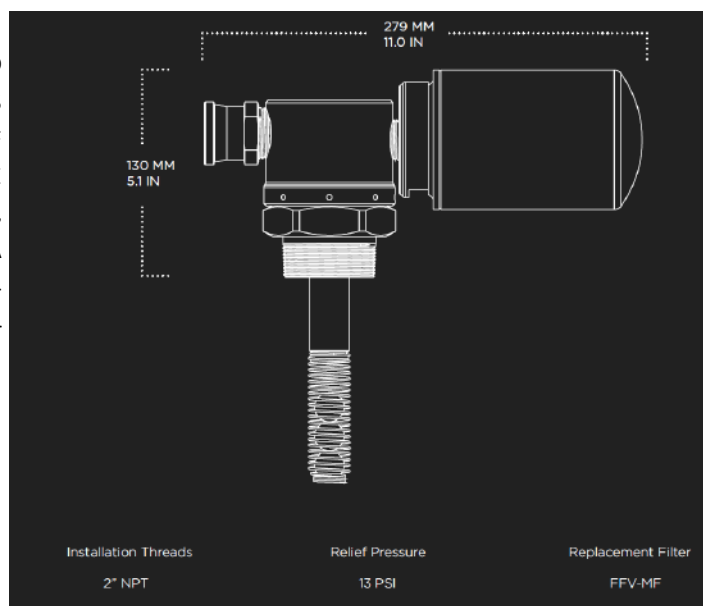
DIESEL VENTS (FOR PRESSURISED DIESEL TANKS)



FILTERED FUEL VENT

V150F

BY INTRODUCING AIR FILTRATION TO THE STANDARD PRESSURIZED FUELING VENT, THE V150F INCORPORATES AN AIRFLOW CHECK VALVE TO KEEP THE GRIT OUT OF YOUR FUEL TANK. OUTGOING AIR AND FUEL VAPORS ARE DIRECTED AWAY THROUGH A ONE-WAY CHECK VALVE, WHILE AIR COMING INTO THE TANK IS SIFTED THROUGH A 3 MICRON FILTER. AS WITH THE OTHER VENTS, THE STANDARD LEVEL CONTROL STEM LENGTH IS 5" BUT CAN BE ORDERED IN 7" OR 12".



- BRINGS DIRECT MOUNT AIR FILTER TO PRESSURIZED FILLING
- CHECK VALVES DIRECT AIR FLOW
- ROLLOVER SPILL PROTECTION
- INCORPORATED SAFETY PRESSURE RELIEF VALVE
- AVAILABLE WITH VARIOUS SHUT-OFF LEVELS



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www.ifield.com.au

UNDERGROUND COAL MINING FAST FILL PRESSURE FUELING

FOR DIESEL FUEL HANDLING

- ◆ Underground diesel fueling solution
- ◆ Bronze construction with the body having a non-slip powder-coated finish
- ◆ Most forgiving latching mechanism in dirty conditions
- ◆ Vent (150S) and receiver (R150SC-A) accommodate flow rates up to 150



BRONZE AND STEEL CONSTRUCTION WITH NON-SLIP POWDER-COATED FINISH. ALL THE INTERNAL PIECES ARE STEEL, ONLY THE CAST PIECES ARE BRONZE.

PART #	N150PBB (N150PBBP W/PLUG)
FLOW RATE (MIN)	94.5 LPM/25 GPM
FLOW RATE (MAX)	567 LPM/150 GPM
OPERATING PRESSURE	5.17 BAR/75 PSI
DIESEL INLET PORT	1 1/2" NPT STANDARD
WEIGHT	7.03 KG/15LBS 8OZ



STEEL RECEIVER R150SC-A

TYPE	PART NO.
STANDARD STEEL VENT	V150S
7" DROP STEEL VENT	V150SL7

R150SC-A	STEEL RECEIVER WITH PLASTIC CAP BLACK POPPET, RATED FOR 9 PSI. USED ON STANDARD DIESEL TANKS ON TRUCKS ETC.
R150SC-B	STEEL RECEIVER WITH PLASTIC CAP, BLUE POPPET, RATED FOR 7 PSI. USED ON HIGH AND REMOTE TANKS.
R150SC-D	STEEL RECEIVER WITH PLASTIC CAP, RED POPPET, RATED FOR 11 PSI. USED ON NEGATIVE HEAD APPLICATIONS. TOP FILL PONTON.

TYPE	PART NO.
STANDARD STEEL VENT	V150S
7" DROP STEEL VENT	V150SL7



CRANKCASE



N100SP



R100SC

HYDRAULIC



N300SP



N300SC

COOLANT



N200SP



N200SC

TRANSMISSION



N400SP



R400SC

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

With a continuing trend towards the fitting of lightweight and plastic diesel tanks comes the heightened possibility of pressure damage through overfilling. FAST FILL has acted to eliminate this problem by introducing a system which does not rely on the build up of 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 tanks.

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 reaches its set ullage level, initiated 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 install the Pressureless Diesel Tank

FEATURES

- ◆ The Pressureless Diesel Tank System eliminates any pressure build up in the diesel tank, therefore eliminating any possibility of pressure damage to the diesel tank
- ◆ Prevents costly diesel fuel spills and is therefore environmentally friendly
- ◆ Provides an enhanced safety factor by automatically shutting off at the desired level in the diesel tank
- ◆ 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
- ◆ Allows a damaged receiver attachment to be changed when the diesel tank level is "Above the Receiver"
- ◆ Once the Inlet Valve closes, the diesel nozzle will automatically turn off. Overriding the pressure sensitive diesel nozzle is not a recommended practice for either pressureless or pressurised diesel tank filling operations and must be avoided. Damaged diesel tanks and diesel spills may result from this dangerous practice

TECHNICAL INFORMATION

- ◆ The Pressureless Diesel Shutoff Units thread directly into an existing 2" NPT x ½ socket fitted to a standard pressurised diesel tank installation or a recessed bell housing adaptor or an existing flange mount with a 2" NPT socket
- ◆ The Pressureless Units can be adapted to most diesel tanks over 300 ltrs in size with custom made mounting adaptors
- ◆ Fill rate 120 LPM / 32 GPM up to 800 LPM / 211 GPM. It is not recommended that the flow rate be under the minimum flow rate
- ◆ Internal and External Signal Lines are available to suit tank fill system design
- ◆ The Pressureless Units can be easily "Retrofitted" to existing tank configurations
- ◆ The Pressureless Units can be easily fitted to existing plastic diesel tanks
- ◆ The Pressureless Units can be "Direct in-tank" or "Remote fill installations"
- ◆ Proven design with major equipment manufacturers from haul trucks to dozers and other support equipment

Fast Fill Systems have tested the PLA150-M-SV Shutoff units at 95 LPM and 5 psi at the nozzle inlet. At this flow rate and inlet pressure the Inlet Valve closes off with a 5 to 6 second delay. Where two (2) or more nozzles are used all the nozzles MUST meet this minimum requirement. The delay will be longer for flows below 95 LPM. It is not recommended that the flow rate be under the minimum flow rate of 120 LPM. The extra Diesel Volume would need to be taken into consideration for any fill rates as the Standard "SHUT OFF TIME" is 3 seconds at 560 LPM.

NOTE: At the lower diesel flow rate the Inlet Valve Shut Off will not be as firm as the higher diesel flow rates that this system

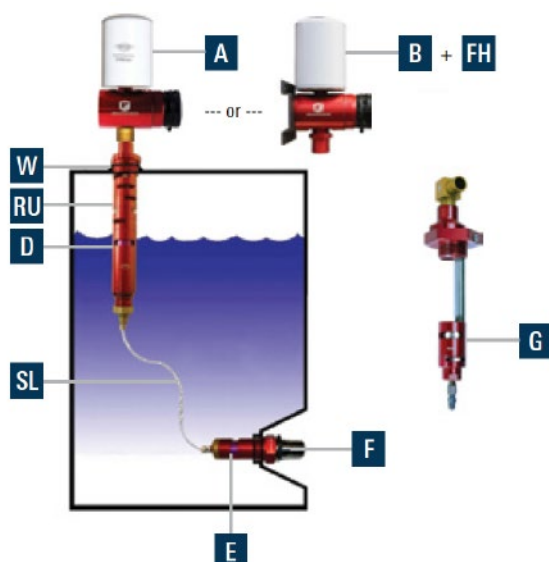


PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

INTERNAL SIGNAL LINE SYSTEM FOR PRESSURELESS DIESEL

- ◆ KIT P/N PLA150-MICFFVDM DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, D, E, F)
- ◆ KIT P/N PLA150-MICFFVRM REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, D, E, F)

SIGNAL LINE NOT INCLUDED.

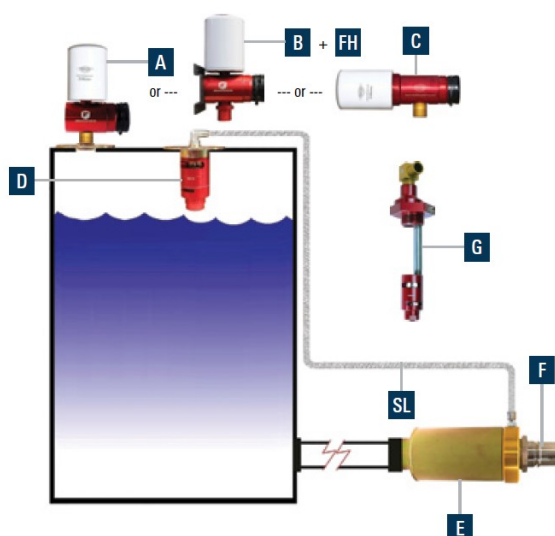


KIT COMPONENTS	
A	FFV150-PL (3 MICRON FILTER/VENT ASSEMBLY) DIRECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
KIT INCLUSIONS	
D	PLA150-M-VLC (STANDARD 5 SPACES)
E	PLA150-M-SV DIESEL INLET VALVE
F	R150-CVRC-J DIESEL RECEIVER
G	PLA150-M-VLCE LEVEL CONTROL
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	INTERNAL SIGNAL LINE (SEE PAGE 19 FOR LENGTHS)
W	FV-P-8 2" NPT 1/2 SOCKET
RU	REMOVABLE ULLAGE SPACERS PLA-M-10 TO ADJUST SHUT-OFF LEVEL
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED

EXTERNAL SIGNAL LINE SYSTEM FOR PRESSURELESS DIESEL

- ◆ KIT P/N PLA150-EXTFFVDM DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, G, E, F)
- ◆ KIT P/N PLA150-EXTFFVRM REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, G, E, F)
- ◆ KIT P/N PLA150-EXTFFVDM LP DIRECT MOUNT LOW PROFILE FILTER ASSEMBLY (COMPONENTS C, G, E, F)

SIGNAL LINE NOT INCLUDED.

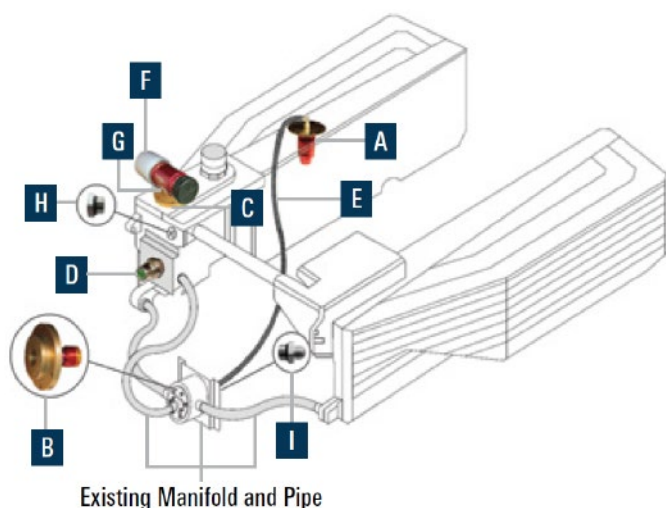


KIT COMPONENTS	
A	FFV150-PL (3 MICRON FILTER /VENT ASSEMBLY) DIRECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
C	FFV150-LP LOW PROFILE FILTER ASSEMBLY (LP)
KIT INCLUSIONS	
D	PLA150-M-VLCE-F VENT LEVEL CONTROL WITH REMOVEABLE SPACERS TO ADJUST SHUT-OFF LEVEL
E	PLA150-M-RRM-2 REMOTE CAN ASSY AS A REMOTE FILL POINT WITH EXTERNAL SIGNAL LINE CONNECTION AND CVRC-J RECEIVER
F	R150-CVRC-J
G	PLA150-M-VLCE LEVEL CONTROL
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	EXTERNAL SIGNAL LINE (SUPPLIED BY CUSTOMERS)
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

CAT 14H & 16H TWIN TANK PRESSURELESS SYSTEMS WITH FACTORY PRESSURELESS

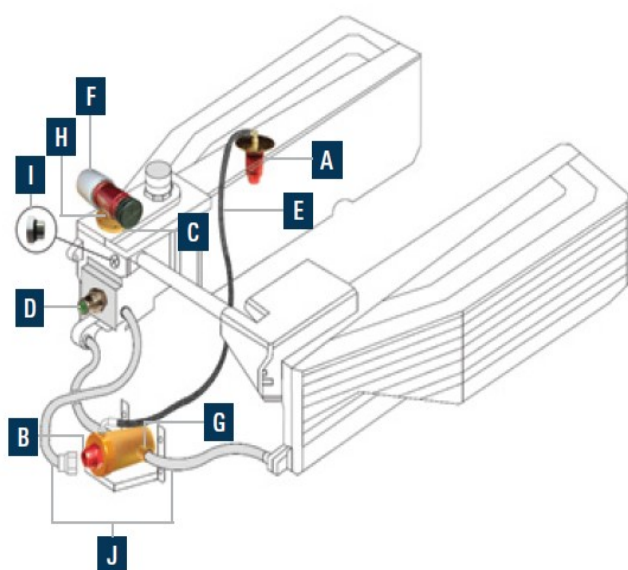
- ◆ KIT P/N PLA150-CATFFMDMLP DIRECT MOUNT LOW PROFILE FILTER ASSEMBLY (COMPONENTS A, B, C, D, E, F, G, H, I)



KIT COMPONENTS	
A	PLA150-MVLCEFPRESSURELESSVENTLEVELCONTROLLER WITH 6 BOLT FLANGE (REPLACES CAT® #222-9201, 212-4621)
KIT INCLUSIONS	
B	PLA150-M SV61-M 12 BOLT FLANGE WITH PRESSURELESS VALVE ASSY WITH CODE 61 FLANGE FOR CAT® MANIFOLD ONLY (DOES NOT INCLUDE RECEIVER)
C	PLA150-MVF6 BOLT FLANGE FOR 2" NPT (REPLACES
D	R150SC-JSTEEL FUEL RECEIVER WITH CAP AND GREEN
E	PL-P-6 STAINLESS STEEL 3.4M SIGNAL LINE WITH #6 JIC
F	FFV150-LP 3 MICRON FILTER VENT ASSEMBLY FOR PRESSURELESS SYSTEMS
G	PLA-P-382" MNPT TO 1" FNPT BUSHING
H	PLA-S-5MB PLUG FOR EXISTING SIGNAL LINE ADPTOR
I	PLA-S-5MB-6MJ ADAPTOR FOR BACK OF EXISTING

CAT 14H & 16H TWIN TANK PRESSURELESS SYSTEMS WITHOUT FACTORY PRESSURELESS

- ◆ KIT P/N PLA150-CATFFRRMDMLP DIRECT MOUNT LOW PROFILE FILTER ASSEMBLY (COMPONENTS A, B, C, D, E, F, G, H, I)



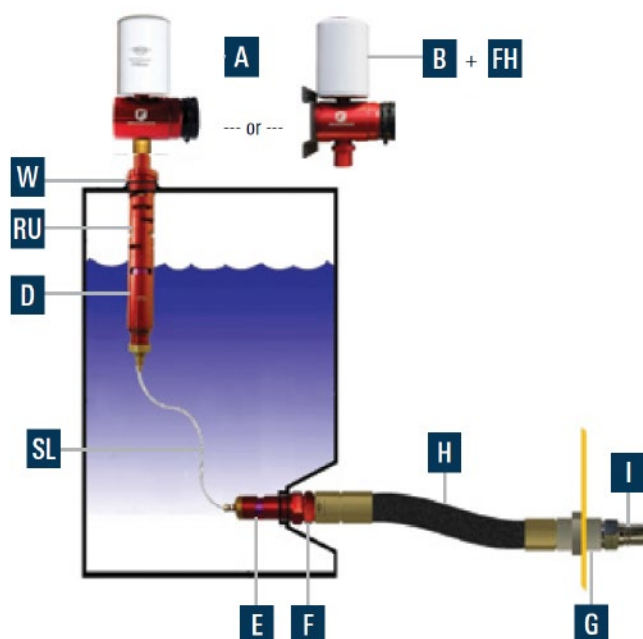
KIT COMPONENTS	
A	PLA150-MVLCEFPRESSURELESSVENLEVELCONTROLLER
KIT INCLUSIONS	
B	AD150J 2" NPT X JIC ADAPTOR FOR REMOTE MOUNT
C	PLA150-MVF6 BOLT FLANGE FOR 2" NPT (REPLACES
D	R150SC-JSTEEL FUEL RECEIVER WITH CAP AND GREEN
E	PL-P-6 STAINLESS STEEL 3.4M SIGNAL LINE WITH #6 JIC
F	FFV150-LP 3 MICRON FILTER VENT ASSEMBLY FOR
G	PLA150-M RRM-2CM SHUTOFF VALVE ASSEMBLY CAN WITH 2 FUEL HOSE CONNECTIONS AND MOUNTING BRACKET (DOES NOT INCLUDE RECEIVER (REPLACES
H	PLA-P-382" MNPT TO 1" FNPT BUSHING
I	PLA-S-5MB PLUG FOR EXISTING SIGNAL LINE ADAPTOR
ACCESSORIES (TO BE ORDERED SEPARATELY)	
J	HOSE AND COUPLERS (TO BE PROVIDED BY CUSTOMER)

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

INTERNAL SIGNAL LINE FOR REMOTE FILL PRESSURELESS DIESEL TANKS

- ◆ KIT P/N PLA150-MARFFVDM DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, D, E, F, I,)
- ◆ KIT P/N PLA150-MARFFVRM REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, D, E, F, I)

SIGNAL LINE NOT INCLUDED.

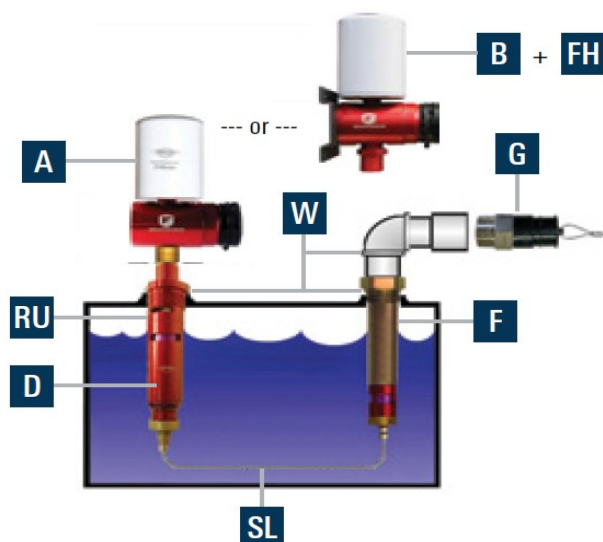


KIT COMPONENTS	
A	FFV150-PL (3 MICRON FILTER/VENT ASSEMBLY) DIRECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
KIT INCLUSIONS	
D	PLA150-M-VLC LEVEL CONTROL
E	PLA150-M-SV DIESEL INLET VALVE
F	AD150-J ADAPTOR
I	R150SC-J RECEIVER
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	INTERNAL SIGNAL LINE (SEE PAGE 19 FOR LENGTHS)
W	FV-P-8 2" NPT 1/2 SOCKET
RU	REMOVABLE ULLAGE SPACERS PLA-M-10 TO ADJUST SHUT-OFF LEVEL
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED
G	2" NPT SOCKET OR ALTERNATIVELY A FAST FILL FLUSH MOUNT FLANGE
H	HOSE AND COUPLERS (TO BE PROVIDED BY CUSTOMER)

MICRO TOP FILL SYSTEM FOR SHALLOW PONTOON & TOP FILL GENERATOR SET PRESSURELESS DIESEL TANKS

- ◆ KIT P/N PLA150-PONFFVDM DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, D, F, G)
- ◆ KIT P/N PLA150-PONFFVRM REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, D, F, G)

SIGNAL LINE NOT INCLUDED



KIT COMPONENTS	
A	FFV150PL (3 MICRON FILTER/VENT ASSEMBLY) DIRECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
KIT INCLUSIONS	
D	PLA150-M-VLC VENT LEVEL CONTROLLER ASSEMBLY
F	PLA150-M-SV 7 (7" DROP) SHUT-OFF VALVE ASSEMBLY
G	R150-SC-J RECEIVER & DUST CAP
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	INTERNAL SIGNAL LINE (SEE PAGE 19 FOR LENGTHS)
W	FV-P-8 2" NPT 1/2 SOCKET
RU	REMOVABLE ULLAGE SPACERS PLA-M-10 TO ADJUST SHUT-OFF LEVEL
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED

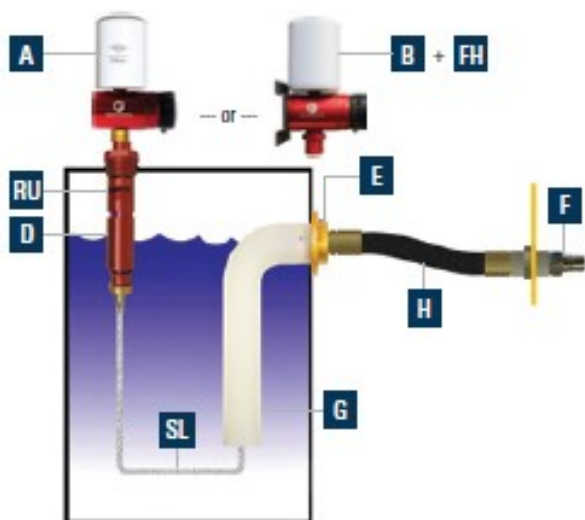
PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

INTERNAL SIGNAL LINE FOR CAT® PRESSURELESS DIESEL TANKSWITH “CANDY CANE” ANTI-FOAM ATTACHMENT

KIT P/N PLA150-CATFFVDM DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, D, F, G)

KIT P/N PLA150-CATFFVRM REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, D, F, G)

SIGNAL LINE NOT INCLUDED.



KIT COMPONENTS	
A	FFV150-PL (3 MICRON FILTER/VENT ASSEMBLY) DI-RECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
KIT INCLUSIONS	
D	PLA-M-VLC VENT LEVEL CONTROLLER ASSEMBLY
E	PLA150-M SV61-12 12 BOLT FLANGE W/PRESSURELESS SHUT OFF VALVE ASSEMBLY W/INTERNAL SIGNAL LINE CONNEC-
F	R150DC-J RECEIVER & CAP
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	INTERNAL SIGNAL LINE (SEE PAGE 19 FOR LENGTHS)
RU	REMOVABLE ULLAGE SPACERS PLA-M-10 TO ADJUST SHUT-OFF LEVEL
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED
G	"CANDY CANE" FURNISHED BY CAT®
H	HOSE AND COUPLERS (TO BE PROVIDED BY CUSTOMERS)

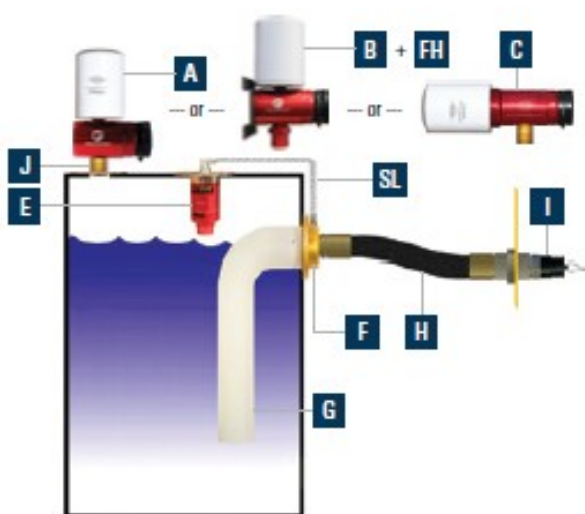
EXTERNAL SIGNAL LINE FOR CAT® PRESSURELESS DIESEL TANKS WITH “CANDY CANE” ANTI-FOAM ATTACHMENT

KIT P/N PLA150-EXCATFFVDM DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, E, F, I)

KIT P/N PLA150-EXCATFFVRM REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, E, F, I)

KIT P/N PLA150-EXCATFFVDMLP DIRECT MOUNT LOW PROFILE FILTER ASSEMBLY (COMPONENTS C, E, F, I)

SIGNAL LINE NOT INCLUDED.



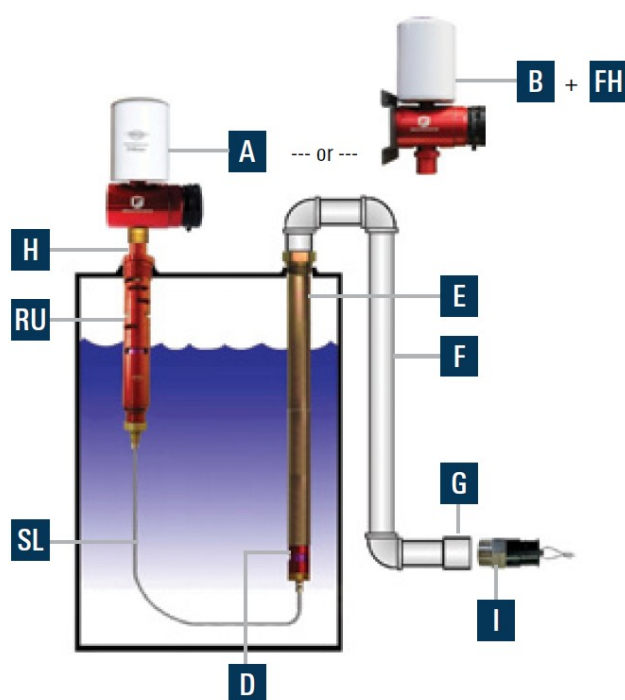
KIT COMPONENTS	
A	FFV150-PL (3 MICRON FILTER/VENT ASSEMBLY) DI-RECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
C	FFV150-LP LOW PROFILE FILTER ASSEMBLY (LP)
KIT INCLUSIONS	
E	PLA150-MVLCF VENT LEVEL CONTROLLER WITH RE-MOVEABLE SPACERS TO ADJUST SHUT-OFF LEVEL
F	PLA150-M SV61-12 12 BOLT FLANGE W/PRESSURELESS SHUT OFF VALVE ASSEMBLY W/INTERNAL SIGNAL LINE CONNECTIONS
I	R150DC-J RECEIVER & CAP
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	EXTERNAL SIGNAL LINE (SUPPLIED BY CUSTOMERS)
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED
G	"CANDY CANE" FURNISHED BY CAT®
H	HOSE AND COUPLERS (TO BE PROVIDED BY CUSTOMERS)
J	1" STANDPIPE AND 2 SOCKETS (TO BE PROVIDED BY CUSTOMERS)

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

TOP FILL SYSTEM FOR PRESSURELESS DIESEL TANKS

- ◆ KIT P/N PLA150-TOPFFVDM12 DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, C, I, E1)
- ◆ KIT P/N PLA150-TOPFFVRM12 REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, C, I, E1)
- ◆ KIT P/N PLA150-TOPFFVDM24 DIRECT MOUNT FILTER ASSEMBLY (COMPONENTS A, C, I, E2)
- ◆ KIT P/N PLA150-TOPFFVRM24 REMOTE MOUNT FILTER ASSEMBLY (COMPONENTS B, C, I, E2)

SIGNAL LINE NOT INCLUDED.



KIT COMPONENTS	
A	FFV150-PL (3 MICRON FILTER/VENT ASSEMBLY) DIRECT MOUNT FILTER ASSEMBLY (DM)
B	FFV150 REMOTE FILTER ASSEMBLY (CONNECT WITH FH) (RM)
KIT INCLUSIONS	
D	SHUT-OFF VALVE
E	DROP DOWN TUBE IN 12" SEGMENTS (2 STANDARD, ADDITIONAL SEGMENTS PL-M-5) PLA150-M-SV-1 (12" DROP) OR PLA150-M-SV-2 (24" DROP)
H	PLA150-M-VLC LEVEL CONTROL
I	R150SC-J RECEIVER & DUST CAP
ACCESSORIES (TO BE ORDERED SEPARATELY)	
SL	INTERNAL SIGNAL LINE (SEE PAGE 19 FOR LENGTHS)
RU	REMOVABLE ULLAGE SPACERS PLA-M-10 TO ADJUST SHUT-OFF LEVEL
FH	FILTER HOSE, 32MM HOSE LENGTH MUST BE SPECIFIED
F	2" PIPE WITH NPT THREADS OR A SUITABLE 2" ID DIESEL HOSE & FITTINGS PLUS SUITABLE ADAPTOR FITTINGS
G	2" NPT SOCKET OR FF#C BELL HOUSING

ADDITIONAL APPLICATIONS

FAST FILL SPECIAL APPLICATION SYSTEMS ARE ALSO AVAILABLE FOR VARIOUS OEM'S

- ◆ CAT GRADERS (WITH AND WITHOUT FACTORY PRESSURELESS SYSTEMS)
- ◆ CAT WHEEL LOADERS
- ◆ CAT HAUL TRUCKS
- ◆ CAT ARTICULATED DUMP TRUCKS
- ◆ CAT DOZERS
- ◆ JOHN DEERE MOTOR GRADERS
- ◆ LEIBHERR HAUL TRUCKS
- ◆ TEREX HAUL TRUCKS
- ◆ TEREX O&K SHOVELS

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

PRESSURELESS SHUT-OFF VALVE ASSEMBLY

- ◆ The PLA150-M-SV is the ideal inlet/shut-off valve for a Pressureless system. This inlet valve needs to be attached directly to the tank or RRM product.
- ◆ When mounting directly to the tank it only needs a 2" NPT inlet on the tank and 8-10 inches of space for installation. This system is capable of flow rates up to 211 gallons per minute. Because of its design one may mount the R150CVR-J receiver directly to the unit, or remote mount the receiver using an AD150, the desired length of hose line, and a R150S-J receiver.

FOR DIRECT TANK MOUNT APPLICATIONS

PLA150-M-RRM-2



SHUT-OFF VALVE MOUNTING "CAN"
FOR EXTERNAL SIGNAL LINE INCLUDES
R150CVR-J RECEIVER

PLA150-M-RRM-3



SHUT-OFF VALVE MOUNTING "CAN"
FOR INTERNAL SIGNAL LINE INCLUDES
R150CVR-J RECEIVER

PLA150-M-SV



PRESSURLESS SHUT-OFF VALVE
EXCLUDES R150CVR-J RECEIVER



SHUT-OFF VALVE MOUNTING "CAN"
FOR TWIN TANK EXTERNAL SIGNAL
LINE INCLUDES R150CVR-J RECEIVER

REMOTE MOUNTING USING 2" NPT PIPE OR 2" ID HOSE

CONFIGURATION A



R150SC-J RECEIVER X 2" NPT
MALE THREAD



AD150 X 2" NPT FEMALE/MALE
ADAPTOR FITTED TO A PLA150-M-
SV SHUT-OFF VALVE ASSEMBLY

CONFIGURATION B



AD150JR X REMOTE JIC MALE ADAPTOR
FOR THE R150CVR-J/R150CVR-A



AD150J X 2" JIC MALE ADAPTOR FITTED
TO A PLA150-M-SV SHUT-OFF VALVE
ASSEMBLY

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

TWIST LOCK BAYONET RECEIVER

R150-TL70

Fast Fill Systems has integrated a 70mm bayonet style receiver that has direct application to our Pressureless system. This adaptor is designed to suit the Emco Wheaton nozzle and will fit into the PLA150-M SV like the R150 CVRC-J in a traditional diesel fueling system. With this receiver you can continue to use twist lock fuel nozzles and enjoy the benefits of the Pressure-



R150-TL70 COMBINED WITH A PLA150-M SV



R150-TL70

PRESSURELESS FLANGE AND SHUTOFF VALVE ASSEMBLIES FOR CAT® PRESSURELESS SYSTEMS

The 6 and 12-bolt Flange available with Pressureless Shutoff Valve assemblies for various CAT® machines are available either with external and Internal signal line connections. These systems are designed to allow the connection of the “Candy Cane” anti-foam tube. The “Candy Cane” anti-foam tube is furnished by CAT®



PLA150-M SV61-12 FOR INTERNAL SIGNAL LINE
WITH 12 BOLT FLANGE (INCLUDES RECEIVER)



PLA150-M SV61-12E FOR EXTERNAL SIGNAL LINE
WITH 12 BOLT FLANGE (INCLUDES RECEIVER)



PLA150-M-SV61-E FOR EXTERNAL SIGNAL WITH
6 BOLT FLANGE (INCLUDES RECEIVER)



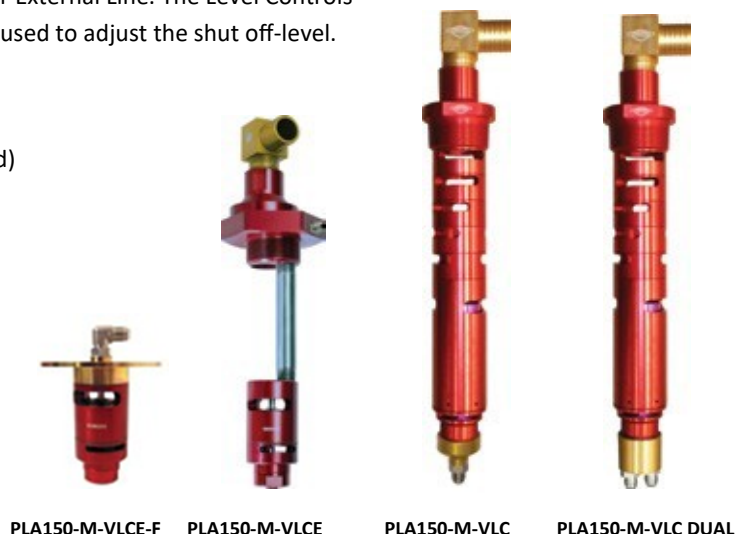
PLA150-M-SV61 FOR INTERNAL SIGNAL WITH 6
BOLT FLANGE (INCLUDES RECEIVER)

PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

PRESSURELESS LEVEL CONTROL

The level controls can be either Single Line, Dual Line or External Line. The Level Controls have removeable Ullage Spacers (PLA-M-10) these are used to adjust the shut off-level.

- ◆ Internal Single line: PLA150-M-VLC
- ◆ Internal Dual line: PLA150-M-VLC DUAL (Flanged)
- ◆ External Single line: PLA150-M-VLCE-F
- ◆ External\Internal Single line: PLA150-M-VLCE



STEEL DIESEL RECEIVER

PARTNUMBER	DESCRIPTION
R150SC-J	STEEL RECEIVER WITH PLASTIC CAP, GREEN POPPET RATED FOR 5 PSI. USED ON PRESSURELESS TANK SYSTEMS FOR "IN TANK" OR REMOTE MOUNTING.

Our standard diesel receiver is made from steel and is nickel-plated to ensure a long life. Our receivers are completely compatible with all major Fast Fill diesel fuel nozzles. The colour of the poppet indicates the pressure ratings.

2" MALE NPT BASE

All Pressureless Diesel Receivers are made of Steel and have a GREEN Poppet. The PLA150M-SV and the R150CVRC-J use the Bell Housing as the mount on various units, such as articulated trucks and remote fill points.

THE TWO PIECE CHECK VALVE RECEIVER R150CVRC-J

The replacement receiver for the Pressureless Diesel Tank System is made from steel and is nickel-plated. This is a specialised receiver that is designed to work with the PLA150-M-SV Inlet Valve and can be fitted to the AD150JR Remote Adaptor when a Remote Diesel Receiver Installation is required. The 2 piece receiver has a 5 psi Green Poppet pressure rating and is not interchangeable with standard 2" NPT base diesel receivers.

NOTE: The 2 piece receiver is not interchangeable with the standard 2" NPT Base Diesel Receiver. Use the AD150JR Adaptor for a remote install.

INTERNAL SIGNAL LINE PART NUMBERS

PART NUMBER	DESCRIPTION
PL-P-1MTR-9/16	9/16JICX1.0MS/S BRAIDED SIGNAL HOSE
PL-P-1.5MTR-9/16	9/16JICX1.5MS/S BRAIDED SIGNAL HOSE
PL-P-2MTR-9/16	9/16JICX2.0MS/S BRAIDED SIGNAL HOSE
PL-P-3MTR-9/16	9/16JICX3.0MS/S BRAIDED SIGNAL HOSE
PL-P-4MTR-9/16	9/16JICX4.0MS/S BRAIDED SIGNAL HOSE
PL-P-5MTR-9/16	9/16JICX5.0MS/S BRAIDED SIGNAL HOSE
PL-P-8MTR-9/16	9/16JICX8.0MS/S BRAIDED SIGNAL HOSE

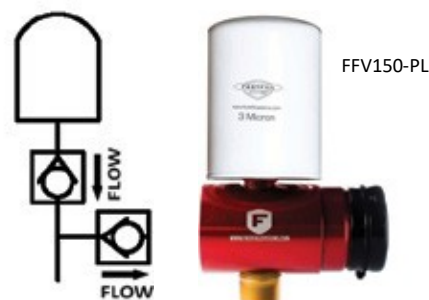


PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

DIESEL FILTER VENTS

DIRECT MOUNT FILTER ASSEMBLY FFV150-PL

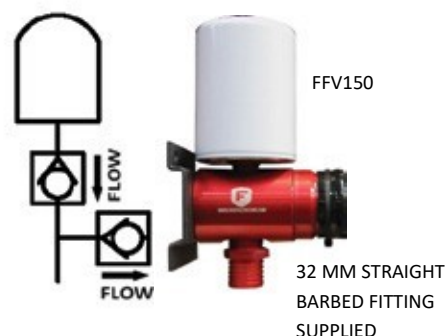
THE DIRECT MOUNT 3 MICRON FILTER WITH 2 CHECK VALVES FOR AIR FLOW IN AND OUT MOUNTED DIRECTLY ONTO THE LEVEL CONTROL VENT UNIT PLA150M-VLC. REPLACEMENT 3 MICRON FILTER CAN. PART NO. FFV-P-6.



1" NPT NIPPLE SUPPLIED

REMOTE MOUNT FILTER ASSEMBLY FFV150

THE REMOTE MOUNT 3 MICRON FILTER WITH 2 CHECK VALVES FOR AIR FLOW IN AND OUT HAS A LOW PROFILE FOR VARIABLE PLACEMENT AND UNIVERSAL MOUNTING BRACKET FOR EASY INSTALLATION FOR SIDE OR BOTTOM MOUNTING. ONLY 200MM HIGH. REPLACEMENT 3 MICRON FILTER CAN. PART NO. FFV-P-6.



32 MM STRAIGHT BARBED FITTING SUPPLIED

BREATHER AND FILTER VENT WITH CHECK VALVE

THE BREATHER CHECK VALVE FF150-BCKV IS USED IN CONJUNCTION WITH THE VENT WITH CHECK VALVE V150H-CKV. WITH AN ALL METAL CONSTRUCTION THE VENT ASSEMBLY HAS A ONE WAY CHECK VALVE ON AIR DISCHARGE WHICH ALLOWS VENTING OVER 300 GPM DIESEL FUEL-ING RATE AND PREVENTS AIR FROM ENTERING THE TANK THROUGH THE VENT OPENING.

ONLY FILTERED AIR (RECOMMENDED 3 MICRON) IS ALLOWED INTO THE DIESEL FUEL TANK, WHILE THE CHECK VALVE ON THE FILTER PREVENTS DIESEL FUEL CONTACTING THE FILTER MEDIA. REPLACEMENT 3 MICRON FILTER CAN. PART NO. FFV-P-6



-3/4" NPT MALE

-FF150-BCKV

-2" NPT MALE
BASE THREAD

SAFETY VENT PLA150M-VLC4

THE SAFETY VENT PROVIDES 4 LEVELS OF PROTECTION, PRESSURELESS FILLING, PRESSURISED OVERFILL PROTECTION, AUDIBLE PRESSURELESS FAILURE NOTIFICATION AND SAFETY RELIEF VALVE



V150H-CKV

FILTER VENT ACCESSORIES

PART NUMBER	DESCRIPTION
PLA-M-14	32MM BARB X 1" NPTM NIPPLE
FFV-HB	1" NPTM X HOSE END FOR FFV150
FFV150-CAN	1" NPT CLOSE NIPPLE FOR FFV150-PL
FFV150-BCKV	BREATHER ADAPTOR WITH CHECK VALVE

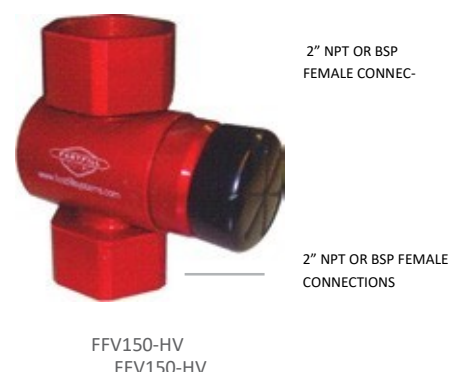
PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

DIESEL FILTER VENTS

HIGH VOLUME FILTER VENT

IF HIGH VOLUME FILLING IS REQUIRED, A FAST FILL HIGH VOLUME FILTER VENT SHOULD BE CONSIDERED. IT IS ALSO THE IDEAL VENT FOR LARGE STORAGE TANKS AND USES AN ENLARGED FILTER CHECK VALVE

PART NUMBER	DESCRIPTION	THREAD
FFV150-HV	HIGH VOLUME FILTER VENT	2" NPT F
FFV150-HVB	HIGH VOLUME FILTER VENT	2" BSP F



VACUUM BRAKE

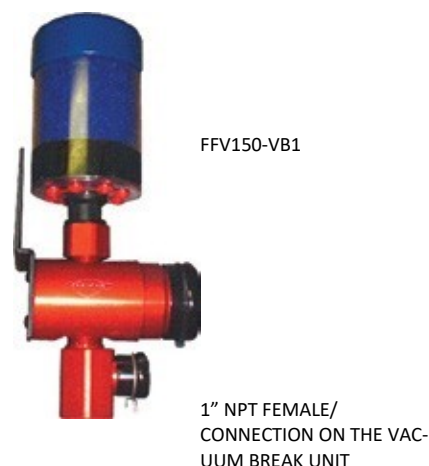
THE VACUUM BRAKE ALLOWS AIR TO FLOW INTO THE TANK SHOULD THE FILTER BECOMES BLOCKED THEREBY ELIMINATING ANY POSSIBILITY OF VACUUM RELATED DAMAGE.

PART NUMBER	DESCRIPTION	THREAD
FFV150-HV-VB	VACUUM BRAKE	2" NPT F
FFV150-HVB-VB	VACUUM BRAKE	2" BSP F



FILTER VENT WITH VACUUM BREAK

THE FFV150-VB1 FILTER VENT WITH VACUUM BREAK IS USED IN CONJUNCTION WITH A DESICCANT FILTER (FILTER NOT INCLUDED). WHEN USING DESICCANT FILTERS ON A TANK, THIS STYLE OF FILTER VENT WILL IMPROVE FILTER LIFE.



LOW PROFILE DIESEL FILTER VENT FFV150-LP

THE LOW PROFILE FILTER VENT HAS A LOW PROFILE HORIZONTAL CONFIGURATION IDEAL FOR USE IN LOW HEADROOM LOCATIONS. THIS FILTER VENT IS AVAILABLE FIR REMOTE OR DIRECT INSTALLATION. THE FILTER VENT REDUCES DIRT AND DEBRIS IN TANK WITH THE ONE-WAY CHECK VALVE AND 3 MICRON FILTER, REQUIRED FOR PRESSURELESS APPLICATIONS THE 3 MICRON FILTER DISCHARGES AIR AT OVER 300 GPM.

Replacement 3 Micron filter can. Part no. FFV-P-6



PRESSURELESS FAST FILL SHUT OFF SYSTEM FOR DIESEL TANKS

ADDITIONAL DIESEL ACCESSORIES

VOLVO PLATE WITH FUEL RECEIVER AND NECK

PLA-MW-45ABC IS A SPECIAL DESIGN PLATE WITH FUEL RECEIVER NECK WHICH WORKS WITH, BUT IS NOT LIMITED TO, VOLVO A35F AND A40F ARTICULATED DUMP TRUCK PRESSURELESS SYSTEMS



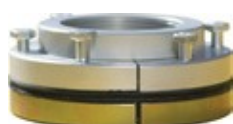
PLA150-MW-45ABC
Volvo plate fitted with
ancillaries



PLA150-M-PTSF

2" NPT SPLASH FILL ADAPTOR FOR PLASTIC DIESEL TANKS

THE PLA150-M-PTSF 2" NPT ADAPTOR IS DESIGNED FOR PLASTIC FUEL TANKS WHICH ARE BECOMING MORE AND MORE COMMON ON LARGER EQUIPMENT. THIS UNIT PROVIDES THE 2" NPT THREAD NEEDED TO MAKE A PRESSURELESS SYSTEM WORK.



PLA150-M-PTF

2" NPT ADAPTOR FOR PLASTIC DIESEL TANKS

THE PLA150-M-PTF 2" NPT SPLASH FILL ADAPTOR FOR PLASTIC TANKS. THIS ADAPTOR WORKS WELL WITH CAT® PLASTIC TANKS AND FITS MOST OF THEIR SPLASH FILL CAPS.



AD150



AD150J

ADAPTORS

WHEN REQUIRING A REMOTE FILL POINT IN PRESSURE SYSTEMS THESE ADAPTORS ARE AVAILABLE IN CHOICE OF FEMALE X 2" NPT OR 2" JICM X 2.5". THIS ALLOWS FOR THE USE OF IN-TANK CHECK VALVE WITH A REMOTE RECEIVER CONNECTION.



**AD150JR REMOTE ADAPTOR WITH
OPTIONAL INDICATOR**

PARTNO	DESCRIPTION
AD150	ADAPTOR FOR A 2" NPT MALE HOSE FITTING OR A R150 UNIT
AD150J	ADAPTOR TO SUIT A 2.5" JIC SWIVEL HOSE CONNECTION
AD150JR	REMOTE MOUNT FOR A 2.5" JIC SWIVEL HOSE END & THE R150 CVR-V-E RECEIVER

BULK DIESEL NOZZLES AND ADAPTERS

BULK DIESEL NOZZLE N150B

ALSO AVAILABLE IN ALL-STEEL PART NO. N150SB

THE BULK TRANSFER NOZZLE MATES WITH THE STANDARD DIESEL RECEIVER R150#. THIS ARRANGEMENT IS USED TO TRANSFER DIESEL TO/FROM THE DIESEL TANKS/STORAGE. THE N150B IS COMMONLY USED AS THE QDC CONNECTION TO EVACUATE THE DIESEL FROM THE DIESEL TANKS AND "OUT OF SERVICE" DIESEL POWERED UNITS. THE BULK TRANSFER NOZZLE IS MADE OF ALUMINIUM, AND HAS AN ANODISED ACTUATING COLLAR

½" NPT FEMALE BASE



N150B

N150BP (with plug)



N150SB

DIESEL NOZZLE ADAPTERS

OUR NOZZLE ADAPTORS MATE WITH A STANDARD FAST FILL DIESEL NOZZLE TO PROVIDE AN EXTENSION TO "SPLASH FILL" EQUIPMENT. ADAPTORS ARE MADE FROM ANODISED ALUMINIUM, AND ARE AVAILABLE IN THREE DIFFERENT CONFIGURATIONS.

ITEM	ANGLE
A150A	STRAIGHT
A150B	90°
A150C	45°



CAT/SHAW 6 BOLT FLANGE ASSEMBLIES

CAT/SHAW 6 BOLT FLANGE ASSEMBLIES ARE AVAILABLE FOR VENT AND RECEIVER APPLICATIONS WITH BOTH FLANGES HAVING 2" NPT FEMALE THREADS.



PLA150-M-VF



PLA150-M-RF

VENT FLANGE FV-P-9 & HALF SOCKET FV-P-8

2" NPT FLANGE MOUNT FOR USE WITH DIESEL RECEIVERS AND VENTS. WELD ON SOCKET FOR USE WITH DIESEL RECEIVERS (PRESSURISED AND PRESSURELESS) AND DIESEL VENTS.



FV-P-8 70mm OD x
25.4mm high socket
with 2" NPT thread.



FV-P-9

SPECIAL KOMATSU FILL/EVACUATION KIT FLANGE

SPECIAL 2 HOLE FLANGE X JIC 1 1/16"-12TPI FOR KOMATSU ONLY PART NUMBER



FL100/12



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PRESSURELESS SHUT OFF SYSTEM FOR DIESEL TANKS

PLA80-SVLC— SMALL TANK PRESSURELESS



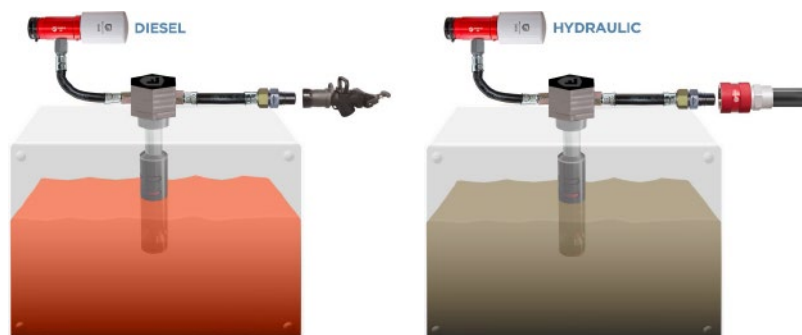
THE PLA80 BRINGS PRESSURELESS FUELING TO APPLICATIONS WHERE IT WAS ONCE UNAVAILABLE.

THIS ALL-IN-ONE DROP-IN SYSTEM FITS STANDARD 2" NPT INLETS AND ENABLES INDIVIDUAL TANK FILL AND SHUTOFF FOR SINGLE OR MULTI TANK CONFIGURATIONS.

ONCE THE FUEL LEVEL REACHES 90-95% CAPACITY, EACH TANK WILL AUTOMATICALLY SHUT OFF, ELIMINATING UNDER/OVER FILLING. THE AUTO SHUT-OFF FEATURE WORKS WITH ALL STANDARD FUEL NOZZLES (UP TO 80 GPM).

WITH FILTERED VENTING AND A DRY BREAK FILL POINT, CONTAMINATION IS DRAMATICALLY DECREASED. THIS PRODUCT IS IDEAL FOR AGRICULTURE, SMALL CONSTRUCTION, OIL EXTRACTION AND MASS TRANSIT EQUIPMENT BECAUSE OF ITS COMPACT DESIGN AND EASE OF INSTALLATION.

- FILLS AND VENTS THROUGH THE SAME UNIT
- COMPLETELY PRESSURELESS OPERATION
- AUTOMATIC INDEPENDENT TANK SHUTOFF
- REMOTE RECEIVER MOUNTING
- REMOTE OR DIRECT FILTER VENT MOUNTING
- 1-1/4" FNPT FUEL INLET THREADS
- 1" FNPT VENT PORT THREADS
- STANDARD WEIGHT: 3.92 LBS | 1.78 KG



THIS SYSTEM HAS ALSO BEEN ADAPTED TO WORK WITH HYDRAULIC FLUID.

THE SPECIFICATIONS BELOW ARE FOR THE PLA80 HYDRAULIC APPLICATION.

HYDRAULIC APPLICATION	
MAX OPERATING TEMPERATURE	150°C 65.6°F
MIN OPERATING TEMPERATURE	-30°C -34.4°F
MIN OPERATING PRESSURE	125 PSI; 8.62BAR
DIESEL APPLICATION	
MAX HIGH FLOW RATE	302LPM 80GPM
MIN HIGH FLOW RATE	151LPM 40GPM
MAX STANDARD FLOW RATE	151LPM 40GPM
MIN STANDARD FLOW RATE	94.5LPM 20GPM
MAX OPERATING TEMPERATURE	150°C 65.6°F
MIN OPERATING TEMPERATURE	-30°C -34.4°F

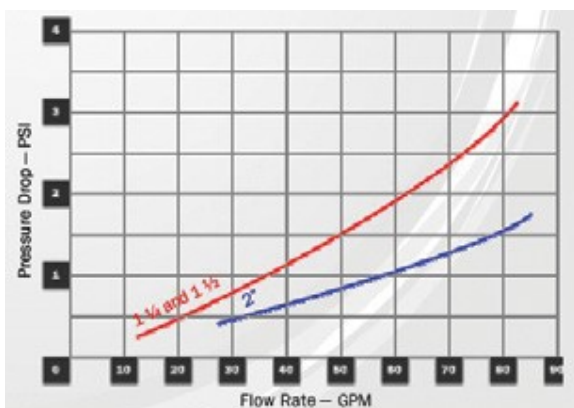
SWIVELS & SAFETY BREAKAWAY COUPLERS



S150	GOLD ANNODISED BASE	1.5" NPT THREAD	1.5" FNPT BASE	HEX 2.38"	HEIGHT BASE TO TOP OF THREAD 3.54"
S200	BLUE ANNODISED BASE	2.0" NPT THREAD	2.0" FNPT BASE	HEX 3.0"	HEIGHT BASE TO TOP OF THREAD 3.54"
S215	PURPLE ANNODISED BASE	2.0" NPT THREAD	1.5" FNPT BASE	HEX 3.0"	HEIGHT BASE TO TOP OF THREAD 3.54"

SAFETY BREAKAWAY COUPLER

- ◆ DESIGNED TO SEPARATE AT APPROXIMATELY 91 KG (200LBS) PULL FORCE TO MINIMISE BACK LASH THEREBY REDUCING DAMAGE
- ◆ THE SAFETY BREAKAWAY COUPLERS ARE REUSABLE UP TO THE TIME THEY CAN NO LONGER BE REPAIRED WITHOUT LEAKS
- ◆ A REPAIR KIT IS REQUIRED FOR EACH BREAKAWAY INCIDENT
- ◆ THE REPAIR KIT FITS BOTH NPT & BSP PRODUCTS



SIZE/THREAD TYPE	SAFETY BREAKAWAY COUPLER	REPAIR KIT
3/4" NPTF	AB34	BA34K
1" NPTF	AB1	BA1K
1 1/4" NPTF	A14	BA14K
1 1/2" NPTF	AB15	BA15K
2" NPTF	AB2	BA2K

CRANKCASE NOZZLES & RECEIVERS

STANDARD & FULL STEEL NOZZLE N100P & N100SP

THE BODY OF THE N100P CRANKCASE NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM. THE BODY OF THE N100SP CRANKCASE NOZZLE IS MADE FROM ALL STEEL, WITH STEEL COLLAR & STEEL PLUG FOR APPLICATIONS REQUIRING SUCH PRODUCT.

BOTH MODELS HAVE A 3 PIN LATCHING MECHANISM AND A 3/4" MALE NPT BASE



N100, N100S, N100SP (WITH PLUG), N100P (WITH PLUG)

UNIVERSAL U SERIES STANDARD NOZZLE N100UP & FULL STEEL NOZZLE N100USP

OUR UNIVERSAL CRANKCASE NOZZLE N100UP, CAN ACCEPT EITHER A STANDARD OR THE "R" SERIES CRANKCASE RECEIVER. THE BODY OF THE UNIVERSAL CRANKCASE NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM. THE ALL STEEL VERSION N100USP IS TO BE USED WITH THE R100SC ALL STEEL RECEIVER.



N100U, N100UP (WITH PLUG), N100US, N100USP (WITH PLUG)

NOZZLE R SERIES N100RP

ACCEPTS AN "R" SERIES CRANKCASE RECEIVER. THE BODY OF THE CRANKCASE NOZZLE IS MADE FROM NICKELPLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM. 3/4" FEMALE NPT BASE



N100R, N100RP (WITH PLUG)

STANDARD & FULL STEEL RECEIVER R100C & R100SC

THE BODY OF THE R100C CRANKCASE RECEIVER IS MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM. THE BODY OF THE R100SC CRANKCASE RECEIVER IS MADE FROM ALL STEEL WITH A STEEL POPPET AND STEEL DUST CAP FOR APPLICATIONS REQUIRING SUCH PRODUCT.

3/4" MALE NPT BASE.



R100, R100S, R100C (WITH CAP), R100SC

RECEIVER R SERIES R100RC

ACCEPTS AN "R" SERIES CRANKCASE NOZZLE. THE BODY OF THE CRANKCASE RECEIVER IS MADE FROM NICKELPLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM.

BASE ID = FEMALE 1 5/16" - 12

BASE OD = MALE 1 5/8" - 12



R100R, R100RC (WITH CAP)

SPECIAL COLOURS AVAILABLE FOR CRANKCASE NOZZLES & RECEIVERS

EIGHT COLOURED N100UP NOZZLES AND R100C RECEIVERS THESE NOZZLES AND RECEIVERS ARE USED WHERE SOME COMPANIES ALLOCATE COLOURS FOR DIFFERENT OILS AND OTHER FLUID APPLICATIONS. THEY DO NOT PREVENT CROSS CONTAMINATION AND ONLY TO BE USED FOR COLOUR CODING PURPOSES.

THESE NOZZLES & RECEIVERS ARE NOT AVAILABLE IN ALL STEEL.

Colour Code	Nozzles "U" Series	Receiver Standard R10#C
Red	N100UP	R100C
Green	N101UP	R101C
Blue	N102UP	R102C
Purple	N103UP	R103C
Grey	N104UP	R104C
Orange	N105UP	R105C
Yellow	N106UP	R106C
Gold	N108UP	R108C

COOLANT NOZZLES & RECEIVERS

STANDARD NOZZLE N200P & N200SP

THE BODY OF THE N200P COOLANT NOZZLE IS MADE FROM NICKEL PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM.

N200SP COOLANT NOZZLE IS MADE FROM ALL STEEL WITH A STEEL COLLAR & STEEL PLUG FOR APPLICATIONS

REQUIRING SUCH PRODUCT.

N200, N200S ½" MALE NPT BASE

N200 3/4" MALE NPT BASE



N200, N200S, N200P
(WITH PLUG) N200SP
(WITH PLUG), N200 3/4,
N200 P 3/4 (WITH PLUG)

STANDARD RECEIVER R200C & R200SC

THE BODY OF THE R200C COOLANT RECEIVER IS MADE FROM NICKEL PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM. R200SC COOLANT RECEIVER IS MADE FROM ALL STEEL, WITH A STEEL POPPET & STEEL DUST CAP FOR APPLICATIONS REQUIRING SUCH PRODUCT.

½" MALE NPT BASE



R200, R200S, R200C
(WITH CAP), R200SC
(WITH CAP)

NOZZLE R SERIES N200R

THE BODY OF THE COOLANT NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM.

½" FEMALE NPT BASE



N200R, R200RP (WITH
PLUG)

RECEIVER R SERIES R200R

THE BODY OF THE COOLANT RECEIVER IS MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM.

BASE ID = FEMALE 7/8" - 14

BASE OD = MALE 1 3/16" - 12

NOTE: THESE UNITS DO NOT FORM PART OF THE MATRIX RANGE, FOR MATRIX INFORMATION, SEE PAGE 32.

ALL STANDARD AND "R" SERIES OPERATING PRESSURE IS 500 PSI WITH 1500 PSI BURST PRESSURE.



R200R, R200RC (WITH
CAP)



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HYDRAULIC NOZZLES & RECEIVERS

STANDARD NOZZLE N300P & N300SP

THE BODY OF THE N300P HYDRAULIC NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM. THE STANDARD MECHANISM IS A STEEL DOG HOWEVER IT IS NOW AVAILABLE WITH BALL LATCH N300B. N300SP HYDRAULIC RECEIVER IS MADE FROM ALL STEEL WITH A STEEL COLLAR & STEEL PLUG FOR APPLICATIONS REQUIRING SUCH PRODUCT.

STANDARD THREAD SIZE $\frac{3}{4}$ " FEMALE NPT BASE
ALSO AVAILABLE AS $\frac{3}{4}$ " MALE NTP, PART NO. N300-34



N300P-34, N300, N300S, N300P (WITH PLUG), N300SP (WITH PLUG), N300B - BALL LATCH, N300-34

STANDARD RECEIVER R300C & R300SC

THE BODY OF THE R300C HYDRAULIC RECEIVER IS MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM. R300SC HYDRAULIC NOZZLE IS MADE FROM ALL STEEL WITH A STEEL COLLAR & STEEL PLUG FOR APPLICATIONS REQUIRING SUCH PRODUCT.



R300, R300S, R300C (WITH CAP), R300SC (WITH CAP)

NOZZLE R SERIES N300RP

THE BODY OF THE HYDRAULIC NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM.
1" FEMALE NPT BASE



N300R, N300RP (with plug)

RECEIVER R SERIES R300RC

THE BODY OF THE HYDRAULIC RECEIVER IS MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM.

BASE ID = FEMALE $1\frac{5}{8}$ " - 12

BASE OD = MALE $1\frac{7}{8}$ " - 12

NOTE: THESE UNITS DO NOT FORM PART OF THE MATRIX RANGE.



R300R, R300RC (WITH CAP)



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TRANSMISSION NOZZLES & RECEIVERS

STANDARD NOZZLE N400P & N400SP

THE BODY OF THE N400P TRANSMISSION NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM. N400SP TRANSMISSION RECEIVER IS MADE FROM ALL STEEL WITH A STEEL COLLAR & STEEL PLUG FOR APPLICATIONS REQUIRING SUCH PRODUCT.

STANDARD THREAD SIZE $\frac{1}{2}$ " MALE NPT BASE

ALSO AVAILABLE AS $\frac{3}{4}$ " MALE NTP, PART NO. N400-34

AND $\frac{3}{8}$ " FEMALE NPT, PART NO. N400-38



N400, N400S, N400P (WITH PLUG) N400SP (WITH PLUG), N400-34 $\frac{3}{4}$ " NPT MALE BASE, N400-38 $\frac{3}{8}$ " NPT FEMALE BASE

STANDARD RECEIVER R400C & R400SC

THE BODY OF THE R400C TRANSMISSION RECEIVER IS MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM. R400SC TRANSMISSION NOZZLE IS MADE FROM ALL STEEL WITH A STEEL COLLAR & STEEL PLUG FOR APPLICATIONS REQUIRING SUCH PRODUCT.

$\frac{1}{2}$ " MALE NPT BASE



R400, R400S, R400C (WITH CAP), R400SC (WITH CAP)

NOZZLE R SERIES N400R

THE BODY OF THE TRANSMISSION NOZZLE IS MADE FROM NICKEL-PLATED STEEL, WHILE THE COLLAR IS MADE OF ANODISED ALUMINIUM.

$\frac{3}{4}$ " FEMALE NPT BASE



N400R, N400RP (WITH PLUG)

RECEIVER R SERIES R400R

THE BODY OF THE TRANSMISSION RECEIVER IS MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM.

BASE ID = FEMALE $1 \frac{1}{16}$ " - 12

BASE OD = MALE $1 \frac{5}{16}$ " - 12

NOTE: THESE UNITS DO NOT FORM PART OF THE MATRIX RANGE, FOR MATRIX INFORMATION, SEE PAGE 32.

ALL STANDARD AND "R" SERIES OPERATING PRESSURE IS 500 PSI WITH 1500 PSI BURST PRESSURE



R400R, R400RC (with

MATRIX SERIES NOZZLES & RECEIVERS

TOTAL PREVENTION OF CROSS CONTAMINATION

THE MATRIX RANGE OF ¾" (34 SERIES) AND 1" (HI-FLO SERIES) RECEIVERS AND NOZZLES

THE MATRIX RANGE HAS BEEN DESIGNED TO ALLOW USERS THE ABILITY TO UTILIZE THE SAME SIZED NOZZLE AND RECEIVER ACROSS A SINGLE OPERATION WHILST BEING

ABLE TO CLEARLY DIFFERENTIATE BETWEEN A VARIETY OF FLUIDS COMMONLY USED ON SITE.



SIGNIFICANTLY, THE PRODUCTS HAVE BEEN DESIGNED SO THAT, WHILE EACH SERIES MODEL HAS THE SAME SIZED OUTER DIAMETER, INTERLOCKING IS ONLY POSSIBLE BETWEEN NOZZLES AND RECEIVERS OF THE SAME COLOUR, THUS PREVENTING ANY CROSS CONTAMINATION BETWEEN USABLE FLUIDS AND ALLOWING STANDARDIZATION OF COLOURS WITH RELEVANT FLUIDS ACROSS MULTIPLE SITES OR LOCATIONS.

THE MATRIX 34 SERIES COMES IN BOTH STANDARD AND FLAT FACE

FEATURES:

- ◆ ALL MODELS COME WITH COLOUR CODED NOZZLE/RECEIVER TO DIFFERENTIATE BETWEEN COMMONLY USED FLUIDS
- ◆ CAPABLE OF INTERLOCKING ONLY WITH CORRESPONDING COLOUR CONNECTOR TO PREVENT CROSS CONTAMINATION
- ◆ ALL RECEIVERS FITTED WITH CAPS AND ALL NOZZLES FITTED WITH PLUGS ARE STOCKED BY JSG
- ◆ RECEIVERS AVAILABLE WITHOUT CAPS AND NOZZLES WITHOUT PLUGS UPON REQUEST
- ◆ ALL RECEIVERS CAN BE SUPPLIED WITH JIC FITTING UPON REQUEST. FOR THIS REQUIREMENT MINIMUM ORDER QUANTITY APPLIES
- ◆ MACHINED STEEL BODY WITH COLOURED ALUMINIUM SLEEVES ON NOZZLES
- ◆ MACHINED STEEL BODY WITH COLOURED ALUMINIUM POPPETS ON RECEIVERS

SPECIFICATIONS:

- ◆ TEMPERATURE RANGE: -53°C TO 135°C (-65°F TO 275°F)
- ◆ OPERATING PRESSURE 34 SERIES: 1500 PSI (WITH 3:1 SAFETY FACTOR)
- ◆ OPERATING PRESSURE HI-FLO SERIES: 600 PSI (WITH 3:1 SAFETY FACTOR)



MATRIX SERIES NOZZLES & RECEIVERS

TOTAL PREVENTION OF CROSS CONTAMINATION

STANDARD MATRIX 3/4" NOZZLES AND RECEIVERS

NOZZLES		
PART NO.	DESCRIPTION	PLUG COLOUR
N210P	FASTFILLMATRIX 3/4" NOZZLE	GREEN
N220P	FASTFILLMATRIX 3/4" NOZZLE	BLUE
N230P	FASTFILLMATRIX 3/4" NOZZLE	PURPLE
N240P	FASTFILLMATRIX 3/4" NOZZLE	GREY
N250P	FASTFILLMATRIX 3/4" NOZZLE	ORANGE
N260P	FASTFILLMATRIX 3/4" NOZZLE	YELLOW
N270P	FASTFILLMATRIX 3/4" NOZZLE	RED
N280P	FASTFILLMATRIX 3/4" NOZZLE	GOLD
N205P	FASTFILLMATRIX 3/4" NOZZLE	HOT PINK
N207P	FASTFILLMATRIX 3/4" NOZZLE	BROWN

NOZZLES		
PART NO.	DESCRIPTION	PLUG COLOUR
N310P	FASTFILLMATRIX 3/4" NOZZLE	GREEN
N320P	FASTFILLMATRIX 3/4" NOZZLE	BLUE
N330P	FASTFILLMATRIX 3/4" NOZZLE	PURPLE
N340P	FASTFILLMATRIX 3/4" NOZZLE	GREY
N350P	FASTFILLMATRIX 3/4" NOZZLE	ORANGE
N360P	FASTFILLMATRIX 3/4" NOZZLE	YELLOW
N370P	FASTFILLMATRIX 3/4" NOZZLE	RED
N380P	FASTFILLMATRIX 3/4" NOZZLE	GOLD
N305P	FASTFILLMATRIX 3/4" NOZZLE	HOT PINK
N307P	FASTFILLMATRIX 3/4" NOZZLE	BROWN

RECEIVERS		
PART NO.	DESCRIPTION	CAP COLOUR
R310C	FASTFILLMATRIX 3/4" RECEIVER	GREEN
R320C	FASTFILLMATRIX 3/4" RECEIVER	BLUE
R330C	FASTFILLMATRIX 3/4" RECEIVER	PURPLE
R340C	FASTFILLMATRIX 3/4" RECEIVER	GREY
R350C	FASTFILLMATRIX 3/4" RECEIVER	ORANGE
R360C	FASTFILLMATRIX 3/4" RECEIVER	YELLOW
R370C	FASTFILLMATRIX 3/4" RECEIVER	RED
R380C	FASTFILLMATRIX 3/4" RECEIVER	GOLD
R305C	FASTFILLMATRIX 3/4" RECEIVER	HOT PINK
R307C	FASTFILLMATRIX 3/4" RECEIVER	BROWN

* ALL RECEIVERS FITTED WITH CAPS & ALL NOZZLES FITTED WITH PLUGS

* ALL RECEIVERS & NOZZLES CAN BE SUPPLIED WITH JIC FITTING UPON REQUEST,

NOZZLES		
PART NO.	DESCRIPTION	PLUG COLOUR
N1000P	FASTFILLMATRIX 1" NOZZLE	GREEN
N2000P	FASTFILLMATRIX 1" NOZZLE	BLUE
N3000P	FASTFILLMATRIX 1" NOZZLE	PURPLE
N4000P	FASTFILLMATRIX 1" NOZZLE	GREY
N5000P	FASTFILLMATRIX 1" NOZZLE	ORANGE
N6000P	FASTFILLMATRIX 1" NOZZLE	YELLOW
N7000P	FASTFILLMATRIX 1" NOZZLE	RED
N8000P	FASTFILLMATRIX 1" NOZZLE	GOLD

RECEIVERS		
PART NO.	DESCRIPTION	PLUG COLOUR
R1000C	FASTFILLMATRIX 1" RECEIVER	GREEN
R2000C	FASTFILLMATRIX 1" RECEIVER	BLUE
R3000C	FASTFILLMATRIX 1" RECEIVER	PURPLE
R4000C	FASTFILLMATRIX 1" RECEIVER	GREY
R5000C	FASTFILLMATRIX 1" RECEIVER	ORANGE
R6000C	FASTFILLMATRIX 1" RECEIVER	YELLOW
R7000C	FASTFILLMATRIX 1" RECEIVER	RED
R8000C	FASTFILLMATRIX 1" RECEIVER	GOLD

MATRIX SERIES NOZZLES & RECEIVERS

TOTAL PREVENTION OF CROSS CONTAMINATION

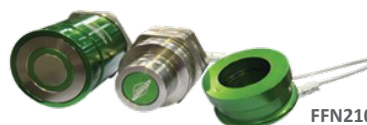
FLAT-FACE MATRIX NOZZLES & RECEIVERS

THE MATRIX FLAT-FACE MATRIX NOZZLES & RECEIVERS ARE DESIGNED AS A SOLUTION TO CONSUMER'S CROSS-CONTAMINATION PROBLEM AND PRODUCT CONTAMINATION THROUGH THE INGRESS OF FOREIGN MATERIALS. ALL MATRIX COUPLERS COME IN 3/4" AND OPERATE AT A MAX OPERATING PRESSURE OF 1500 PSI

FEATURES:

- ◆ HIGHEST POSSIBLE FLOW RATE IN THE INDUSTRY FOR FLUID TRANSFER
- ◆ AVAILABLE IN 12 DIFFERENT SIZES AND COLORS
- ◆ ELIMINATES CROSS CONTAMINATION
- ◆ THE FLAT CONNECTING SURFACE REDUCES SOIL BUILD UP ON NOZZLE FACE
- ◆ LONG LASTING, QUICK, AND EASY BALL LATCHING MECHANISM
- ◆ CORRESPONDING GUIDES FOR EASY QUICK CONNECTION
- ◆ ELIMINATES THE NEED FOR NOZZLE PLUGS

FLAT-FACE MATRIX NOZZLES		
PART NO.	DESCRIPTION	COLOUR CODE
FFN210	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	GREEN
FFN220	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	BLUE
FFN230	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	PURPLE
FFN240	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	GREY
FFN250	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	ORANGE
FFN255	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	TEAL
FFN260	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	YELLOW
FFN265	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	BROWN
FFN270	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	RED
FFN275	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	HOT PINK
FFN280	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	GOLD
FFN285	FAST FILL FLAT-FACE MATRIX 3/4" NOZZLE	GUN METAL BLUE



FFN210 & FFR210C

NPT MALE FLAT-FACE MATRIX RECEIVERS & CAPS		
PART NO.	DESCRIPTION	COLOUR CODE
FFR210C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	GREEN
FFR220C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	BLUE
FFR230C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	PURPLE
FFR240C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	GREY
FFR250C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	ORANGE
FFR255C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	TEAL
FFR260C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	YELLOW
FFR265C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	BROWN
FFR270C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	RED
FFR275C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	HOT PINK
FFR280C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	GOLD
FFR285C	FAST FILL FLAT-FACE MATRIX 3/4" NPTM RECEIVER & CAP	GUN METAL BLUE

NPT FEMALE FLAT-FACE MATRIX RECEIVERS & CAPS		
PART NO.	DESCRIPTION	COLOUR CODE
FFR210-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	GREEN
FFR220-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	BLUE
FFR230-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	PURPLE
FFR240-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	GREY
FFR250-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	ORANGE
FFR255-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	TEAL
FFR260-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	YELLOW
FFR265-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	BROWN
FFR270-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	RED
FFR275-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	HOT PINK
FFR280-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	GOLD
FFR285-34FC	FAST FILL FLAT-FACE MATRIX 3/4" NPTF RECEIVER & CAP	GUN METAL BLUE

MATRIX SERIES NOZZLES & RECEIVERS

TOTAL PREVENTION OF CROSS CONTAMINATION

FLAT-FACE MATRIX NOZZLES & RECEIVERS—MATRIX EVACUATION TOOLS

MATRIX EVACUATION TOOL ET290 & ET290J

THE ET290 AND ET290J MATRIX EVACUATION TOOL IS DESIGNED TO INTER-LOCK WITH ALL R310 – R380 MATRIX RECEIVERS FOR EVACUATION PURPOSES, THEREBY ELIMINATING THE NEED TO EMPLOY DIFFERENT COLOURED NOZZLES WHEN EVACUATING WASTE PRODUCT.

THE ET290 IS DESIGNED WITH A ¾" NPT FEMALE THREAD WHILE THE ET290J IS DESIGNED WITH A 1 5/16"-16 JIC MALE HOSE CONNECTION.

- ONE-WAY EVACUATION ONLY DESIGN
- FITS ALL MATRIX RECEIVERS R310 TO R380
- INTERNAL CHECK VALVE PREVENTS USE FOR FILLING & STOPS CROSS CONTAMINATION
- OPERATING PRESSURE UP TO 103 BAR (1,500 PSI)

NOTE: NOT DESIGNED TO BE USED ON FLAT FACE MATRIX SERIES RECEIVERS.



FLAT FACE MATRIX EVACUATION TOOL	
PART NUMBER	DESCRIPTION
FFET290	FLATFACEMATRIXEVACUATIONTOOLWITH¾"NPTFEMALETHREAD - BLACKCOLOUR

FLAT FACE MATRIX EVACUATION TOOL FFET290

THE FFET290 FLAT FACE MATRIX EVACUATION TOOL IS DESIGNED TO INTER-LOCK WITH ALL FLAT FACE MATRIX RECEIVERS FOR EVACUATION PURPOSES, THEREBY ELIMINATING THE NEED TO EMPLOY DIFFERENT COLOURED NOZZLES WHEN EVACUATING WASTE PRODUCT.

FEATURES:

- THE FFET290 IS DESIGNED WITH A ¾" NPT FEMALE THREAD
- ONE-WAY EVACUATION ONLY DESIGN
- FITS ALL FLAT FACE MATRIX RECEIVERS FFR210 TO FFR260
- INTERNAL CHECK VALVE PREVENTS USE FOR FILLING & STOPS CROSS CONTAMINATION
- OPERATING PRESSURE UP TO 103 BAR (1,500 PSI)



FLAT FACE MATRIX EVACUATION TOOL	
PART NUMBER	DESCRIPTION
FFET290	FLATFACEMATRIXEVACUATIONTOOLWITH¾"NPTFEMALETHREAD - BLACKCOLOUR

MATRIX GREASE NOZZLES & RECEIVERS

FLAT-FACE GREASE MATRIX

GREASE MATRIX IS AN INNOVATIVE, PATENT PENDING, SOLUTION FOR BULK, HIGH PRESSURE, VISCOUS FLUID TRANSFER. GREASE MATRIX IS THE FIRST OF ITS KIND:

A FLAT-FACE DRY BREAK CONNECTOR THAT WILL CONNECT AND DISCONNECT UNDER LINE PRESSURE.

SAFETY FEATURES WILL NOT ALLOW GREASE TRANSFER UNTIL THE COUPLERS ARE CONNECTED PROPERLY.

FEATURES:

- DESIGNED FOR BULK FILLING
- CONNECT AND DISCONNECT UNDER LINE PRESSURE
- FLOW RATE 32KG PER MINUTE (BASED ON PUMP, HOSE LENGTH/DIAMETER, AND SPECIFIC GRAVITY).
- CLEAN, EFFICIENT AND SAFE
- 2 COLORS FOR DIFFERENT GREASES (ORANGE & GREY)
- GREASE MATRIX NOZZLES ARE COLOUR COORDINATED AND WILL ONLY FIT WITH A RECEIVER HAVING THE SAME CORRESPONDING COLOUR PREVENTING CROSS CONTAMINATION.
- REDUCES TIME CONSUMING CLEAN UP
- UNIVERSAL EVACUATION TOOL FOR ALL RECEIVERS



NOTE: The Grease Matrix couplers are designed for use with grease reservoirs open to atmosphere and are not designed for use where the tank is a pressure vessel or a shut off valve is used. Use of either will initiate excessive back pressure resulting in the receiver malfunctioning and hydraulically locking.

GREASE MATRIX NOZZLES		
PART NO.	DESCRIPTION	PLUG COLOUR
GN210	FAST FILL GREASE MATRIX 3/4" NPTF NOZZLE	ORANGE
GN220	FAST FILL GREASE MATRIX 3/4" NPTF NOZZLE	GREY

GREASE MATRIX RECEIVERS		
PART NO.	DESCRIPTION	PLUG COLOUR
GN210C	FAST FILL GREASE MATRIX 3/4" NPTM RECEIVER	ORANGE
GN220C	FAST FILL GREASE MATRIX 3/4" NPTM RECEIVER	GREY

BULKHEAD FITTINGS & SERVICE UNITS

THE BULKHEAD RECEIVER HAS AN EXTENDED JIC THREAD BASE THAT CAN BE MOUNTED THROUGH AND SECURED TO A STEEL BACKING PLATE.

THE BODY OF THE RECEIVERS ARE MADE FROM NICKEL-PLATED STEEL, WHILE THE POPPET IS MADE OF ANODISED ALUMINIUM. THE POPPETS ARE COLOURED TO SUIT THE PRODUCT. 3/4" -12 JIC MALE BASE/THREAD SIZE = 1 1/16" X 12 TPI / LOCK NUT INCLUDED



R100JC RED POPPET

PART NO.	DESCRIPTION	COLOUR
R100JC	BULKHEAD CRANKCASE RECEIVER WITH DUST CAP	RED
R200JC	BULKHEAD COOLANT RECEIVER WITH DUST CAP	BLUE
R300JC	BULKHEAD HYDRAULIC RECEIVER WITH DUST CAP	YELLOW
R400JC	BULKHEAD TRANSMISSION WITH DUST CAP	SILVER

SERVICE BOXES SB100

SERVICE BOXES CAN BE MOUNTED TO YOUR MOBILE AND STATIONARY EQUIPMENT TO PROVIDE A CENTRAL LOCATION FOR EVACUATION AND REFILLING OF YOUR CRANKCASE, COOLANT, HYDRAULIC, TRANSMISSION AND DIESEL FLUIDS. THE SERVICE BOX ARE CUSTOMISED TO ANY NUMBER OR TYPES OF CONFIGURATIONS.



SB100

ADDITIONAL ACCESSORIES

CAPS AND PLUGS

CRANKCASE			COOLANT			HYDRAULIC		
BASE ITEM	CAP/PLUG	MATERIAL	BASE ITEM	CAP/PLUG	MATERIAL	BASE ITEM	CAP/PLUG	MATERIAL
N100	P100	ALUMINIUM	N200	P200	ALUMINIUM	N300	P300	ALUMINIUM
N100R	P100R	ALUMINIUM	N200R	P200R	ALUMINIUM	N300R	P300R	ALUMINIUM
N100S	P100S	STEEL	N200S	P200S	STEEL	N300S	P300S	STEEL
R100	C100	ALUMINIUM	R200	C200	ALUMINIUM	R300	C300	ALUMINIUM
R100J	C100	ALUMINIUM	R200J	C200	ALUMINIUM	R300J	C300	ALUMINIUM
R100R	C100R	ALUMINIUM	R200R	C200R	ALUMINIUM	R300R	C300R	ALUMINIUM
R100S	C100S	STEEL	R200S	C200S	STEEL	R300S	C300S	STEEL

TRANSMISSION			DIESEL NOZZLES			DIESEL RECEIVERS		
BASE ITEM	CAP/PLUG	MATERIAL	BASE ITEM	PLUG	MATERIAL	BASE ITEM	CAP	MATERIAL
N400	P400	ALUMINIUM	N150C	P150	ALUMINIUM	R150A	C150A	ALUMINIUM
N400R	P400R	ALUMINIUM	N150SL	P150	ALUMINIUM	R150A	C150P	PLASTIC
N400S	P400S	STEEL	N150SL800	P150	ALUMINIUM	R150S	C150A	ALUMINIUM
R400	C400	ALUMINIUM	N150PB	P150	ALUMINIUM	R150S	C150P	PLASTIC
R400J	C400	ALUMINIUM	N150T	P150	ALUMINIUM	R150CV	C150A	ALUMINIUM
R400R	C400R	ALUMINIUM				R150CV	C150P	PLASTIC
R400S	C400S	STEEL						

FLAT-FACE MATRIX RECEIVER CAP		
PART NO.	DESCRIPTION	COLOUR CODE
C210	FLAT-FACE MATRIX RECEIVER CAP	GREEN
C220	FLAT-FACE MATRIX RECEIVER CAP	BLUE
C230	FLAT-FACE MATRIX RECEIVER CAP	PURPLE
C240	FLAT-FACE MATRIX RECEIVER CAP	GREY
C250	FLAT-FACE MATRIX RECEIVER CAP	ORANGE
C255	FLAT-FACE MATRIX RECEIVER CAP	TEAL
C260	FLAT-FACE MATRIX RECEIVER CAP	YELLOW
C265	FLAT-FACE MATRIX RECEIVER CAP	BROWN
C270	FLAT-FACE MATRIX RECEIVER CAP	RED
C275	FLAT-FACE MATRIX RECEIVER CAP	HOT PINK
C280	FLAT-FACE MATRIX RECEIVER CAP	GOLD
C285	FLAT-FACE MATRIX RECEIVER CAP	GUNMETALBLUE



PLUGS



C150P



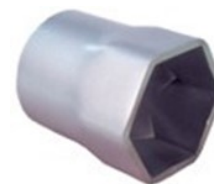
CAPS

ADDITIONAL ACCESSORIES

WORKING TOOLS & OIL SAMPLING

TOOL R150SW

THE RECEIVER TOOL IS A 2 ½" DEEP SOCKET THAT IS USED TO REMOVE RECEIVERS FROM THE DIESEL TANK WHEN THEY HAVE BECOME WORN AND NEED TO BE REPLACED. THE TOOL IS UNIVERSAL FOR ALL FAST FILL SYSTEMS™ RECEIVERS, INCLUDING OUR STEEL, ALUMINIUM AND CHECK VALVE RECEIVERS.



R150SW

CHECK VALVE TOOL KR150CV

THE INSTALLATION KIT KR150CV FOR THE "CHECK VALVE" SYSTEM, INCLUDES AN INSTALLATION SOCKET R150CVSW AND DRAIN TOOL R150CVD. THE INSTALLATION SOCKET IS SPECIFICALLY DESIGNED FOR THE "CHECK VALVE" AND IS A REQUIRED TOOL FOR INSTALLATION. IN THE EVENT THAT YOU NEED TO DRAIN YOUR DIESEL TANK, THE DRAIN TOOL MAKES THIS POSSIBLE. THESE ITEMS CAN BE ORDERED SEPARATELY IF REQUIRED.



R150CVD



R150CVSW

DRAINING TOOL PLA150-M-DT

TO BE USED IN CONJUNCTION WITH THE PRESSURELESS INLET VALVE, PLA150M-SV FOR THE DRAINING OF DIESEL FROM THE TANK WHEN FITTED WITH A PRESSURELESS SYSTEM. PRESSURELESS DIESEL TANK EVACUATION PORT. THE PLA150-M EP WORKS IN CONJUNCTION WITH THE PLA150-M-SV INLET VALVE IN EVACUATING PRESSURELESS DIESEL TANKS. PRESSURISED TANK EVACUATION PORT. THE R150CVP WORKS IN CONJUNCTION WITH THE R150CV-BASE CHECK VALVE IN EVACUATING PRESSURISED DIESEL TANKS.



PLA150-M-DT



PLA150-M EP



R150CVP

FMF-SK SKIRT INSTALLATION INSTRUCTIONS - PLACING SKIRT ON DIESEL DUST CAP

WHEN MOUNTING THE SKIRT ONTO THE DUST CAP, THE EASIEST WAY IS:

1. LUBRICATE AROUND THE BACK END (CLOSED SECTION) OF THE DUST CAP.
2. FEED SKIRT OVER LANYARD REMEMBERING THE LARGER OUTER DIAMETER OF THE SKIRT IS FACING TO THE BACK OF THE DUST CAP.
3. PUSH SKIRT OVER THE END OF THE DUST CAP ALL THE WAY TO THE SMALLER RECESS LOCATED NEAR THE MIDDLE OF THE DUST CAP.
4. WHEN PLACING THE DUST CAP ON THE RECEIVER THAT IS MOUNTED INSIDE THE FLANGE, BE SURE TO PUSH THE CAP ALL THE WAY IN AS THE SKIRT WILL PROVIDE SOME RESISTANCE.



C150P WITH SKIRT FMF-SK

OIL SAMPLING VALVES WITH BOTTLE OS100 (½" NPT) & OS100-34 (¾" NPT)

THE OIL SAMPLING VALVE CAN BE FITTED ONTO YOUR EXISTING CRANKCASE LINE TO ALLOW SAMPLES TO BE DRAWN. THE VALVE IS MADE FROM ANODISED ALUMINIUM AND INCLUDES A SAMPLE CONTAINER.

REPLACEMENT SAMPLE BOTTLE - OS100B



OS100 & OS100-34

TECHNICAL SPECIFICATIONS & FLOW TESTS

STANDARD SERIES DRY-BREAK QUICK COUPLERS

<p>100 CRANKCASE</p> <p>N100/N100p N100U/N100Up R100/R100c R100J/R100Jc</p> 	<p>200 COOLANT</p> <p>N200/N200p N200 34/N200p 34 R200/R200c R200J/R200Jc</p> 
<p>300 HYDRAULIC</p> <p>N300 (dog)/N300p (dog) N300B/N300Bp N300 34/N300p 34 R300/R300c R300J/R300Jc</p> 	<p>400 TRANSMISSION</p> <p>N400/N400p N400 34/N400p 34 N400 38/N400p 38 R400/R400c R400J/R400Jc R400 34/R400c 34 R400 38/R400c 38</p> 

Operating Pressure

-All Couplers

500 psi

Burst Pressure

-All Couplers

1500 psi

Flow Area

-100 Series

.3051 sq. in.

-200 Series

.1122 sq. in.

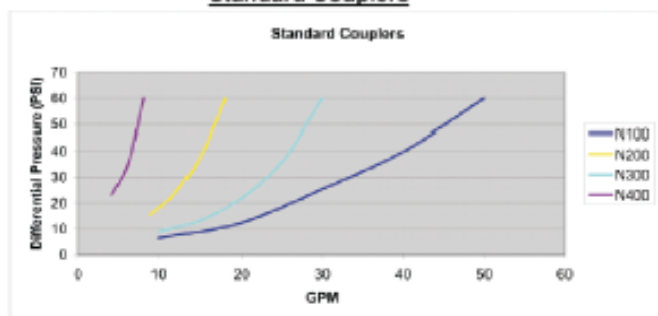
-300 Series

.2212 sq. in.

-400 Series

.1136 sq. in.

Standard Couplers



Thread Sizes

-100 Series

N100 - 3/4" Male NPT

N100U - 3/4" Male NPT

R100 - 3/4" Male NPT

R100J - #12 JIC

-200 Series

N200 - 1/2" Male NPT

N200 12 - 1/2" FNPT

N200 3/4 - 3/4" Male NPT

R200 - 1/2" Male NPT

R200J - #12 JIC

-300 Series

N300(dog) - 3/4" FNPT

N300B - 3/4" FNPT

N300 34 - 3/4" Male NPT

R300 - 3/4" Male NPT

R300J - #12 JIC

-400 Series

N400 - 1/2" Male NPT

N400 34 - 3/4" Male NPT

N400 38 - 3/8" FNPT

R400 - 1/2" Male NPT

R400 34 - 3/4" Male NPT

R400 38 - 3/8" Male NPT

R400J - #12 JIC

- N100U Universal Crankcase Nozzle will couple with both the Standard R100 and the R Series R100R receivers.



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TECHNICAL SPECIFICATIONS & FLOW TESTS

STANDARD SERIES DRY-BREAK QUICK COUPLERS

<p>N100</p>	<p>N100U</p>
<p>P100</p>	<p>R100</p>
<p>R100J</p>	<p>C100</p>



TECHNICAL SPECIFICATIONS & FLOW TESTS

STANDARD SERIES DRY-BREAK QUICK COUPLERS

<p>N200</p>	<p>N200 12</p>
<p>N200 34</p>	<p>P200</p>
<p>R200</p>	<p>R200J</p>



TECHNICAL SPECIFICATIONS & FLOW TESTS

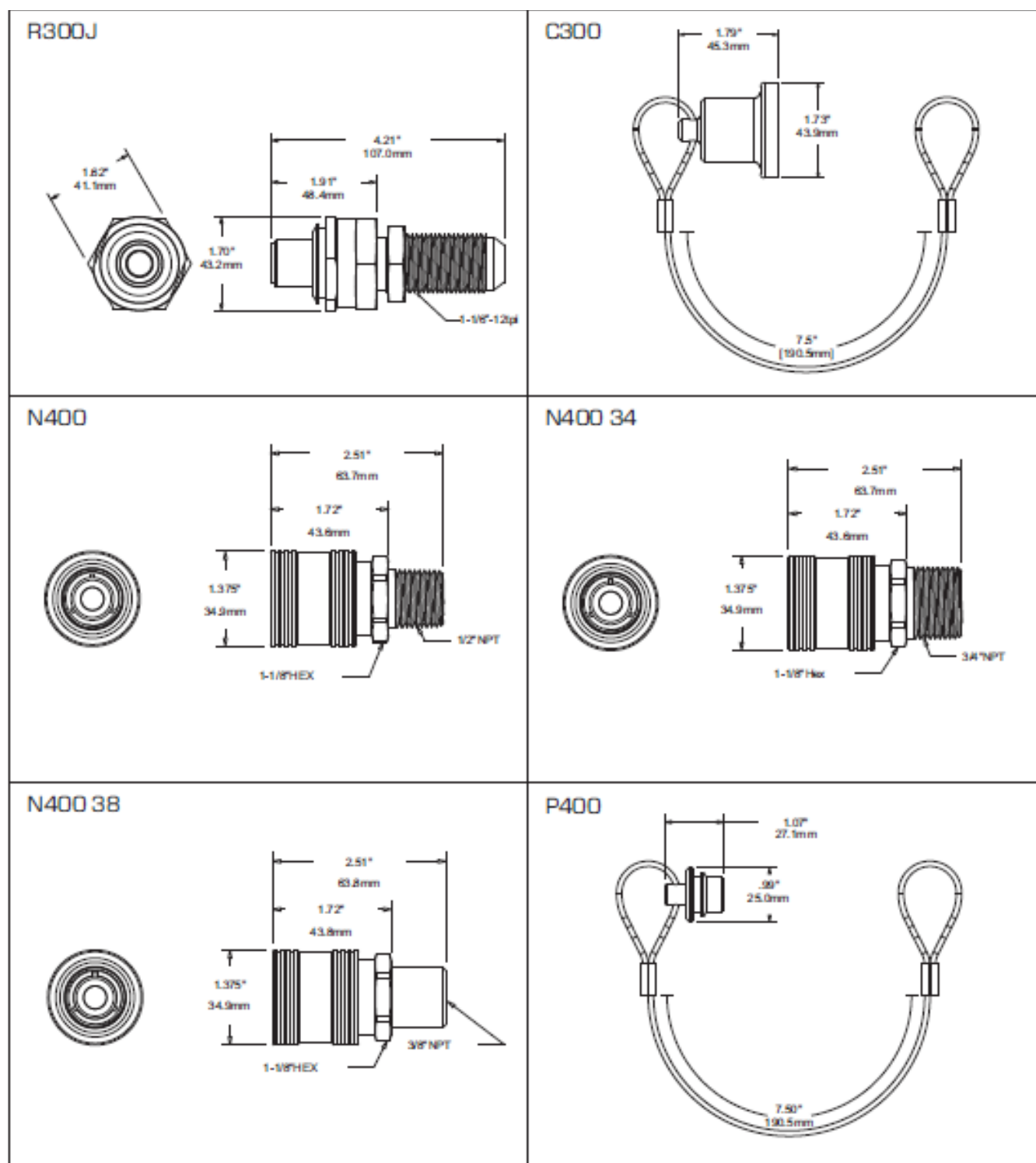
STANDARD SERIES DRY-BREAK QUICK COUPLERS

<p>C200</p>	<p>N300 (D03)</p>
<p>N300B</p>	<p>N300 34</p>
<p>P300</p>	<p>R300</p>



TECHNICAL SPECIFICATIONS & FLOW TESTS

STANDARD SERIES DRY-BREAK QUICK COUPLERS



TECHNICAL SPECIFICATIONS & FLOW TESTS

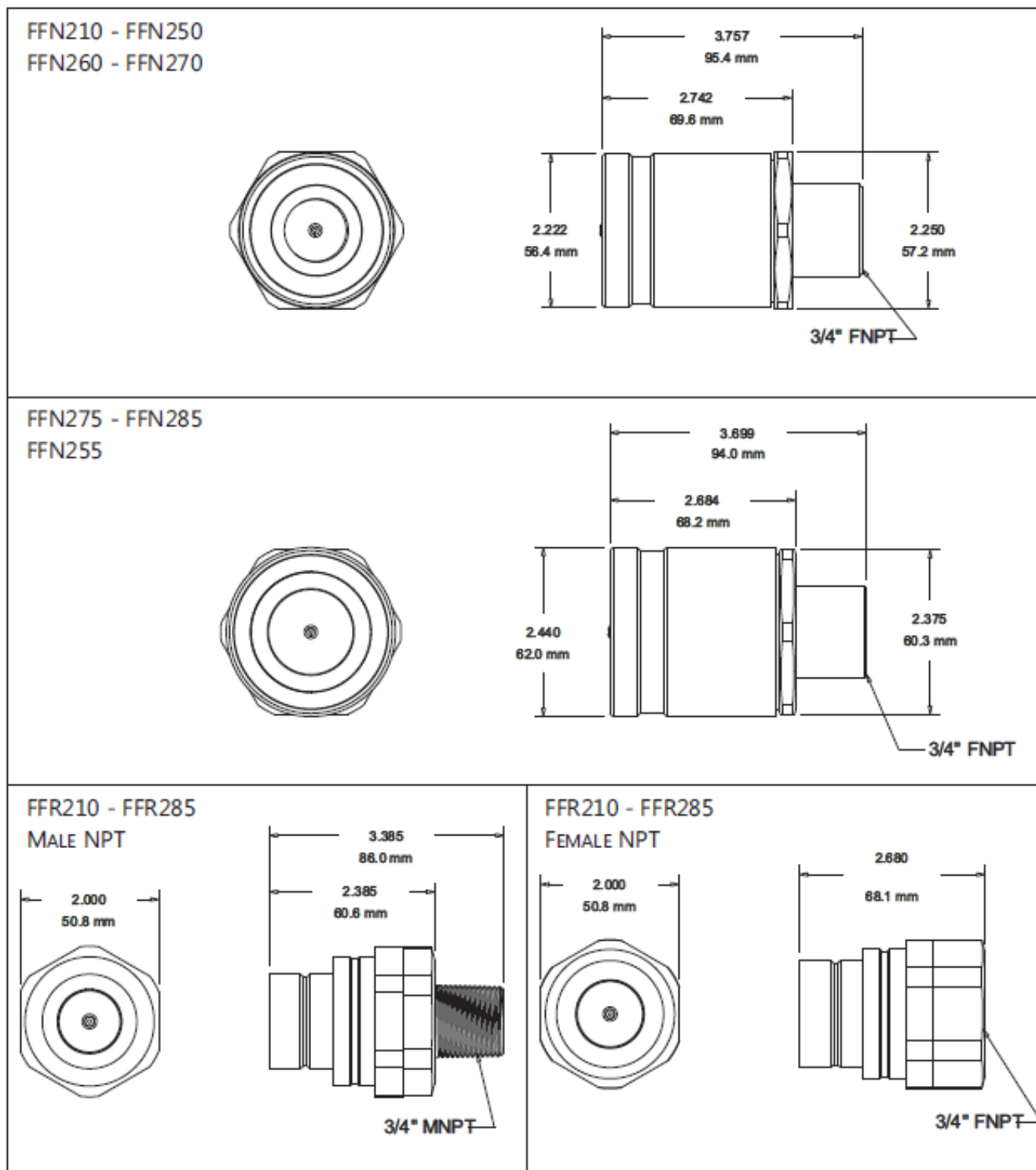
STANDARD SERIES DRY-BREAK QUICK COUPLERS

<p>R400</p>	<p>R400 J</p>
<p>R400 34</p>	<p>R400 38</p>
<p>C400</p>	



TECHNICAL SPECIFICATIONS & FLOW TESTS

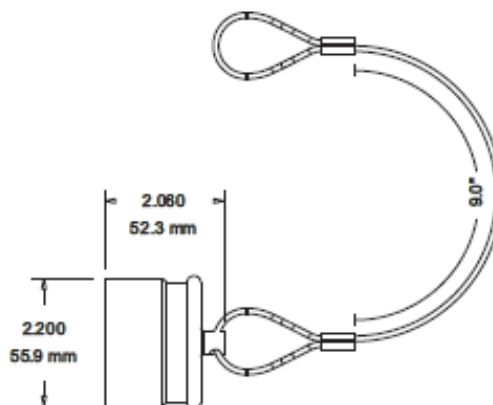
FLAT FACE MATRIX DRY-BREAK QUICK COUPLERS



TECHNICAL SPECIFICATIONS & FLOW TESTS

FLAT FACE MATRIX DRY-BREAK QUICK COUPLERS

C210 - C285



Evacuation Tool

The FFET290 is a universal evacuation solution for the Flat Face Matrix dry-break coupler line. It has been designed to accommodate all Flat Face Matrix receivers and has an integrated internal check-valve to allow fluid evacuation only.

Operating Pressure
-All Couplers
1500 psi

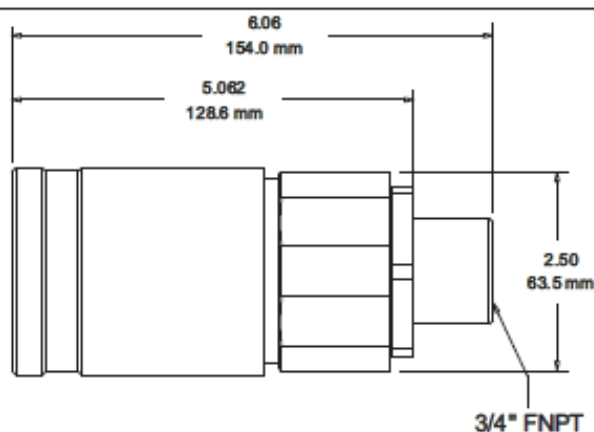
Burst Pressure
-All Couplers
4500 psi

Flow Area
-All Couplers
Approx. .3040 sq. in.

Thread Sizes
-FFET290
3/4" Female NPT

FFET290

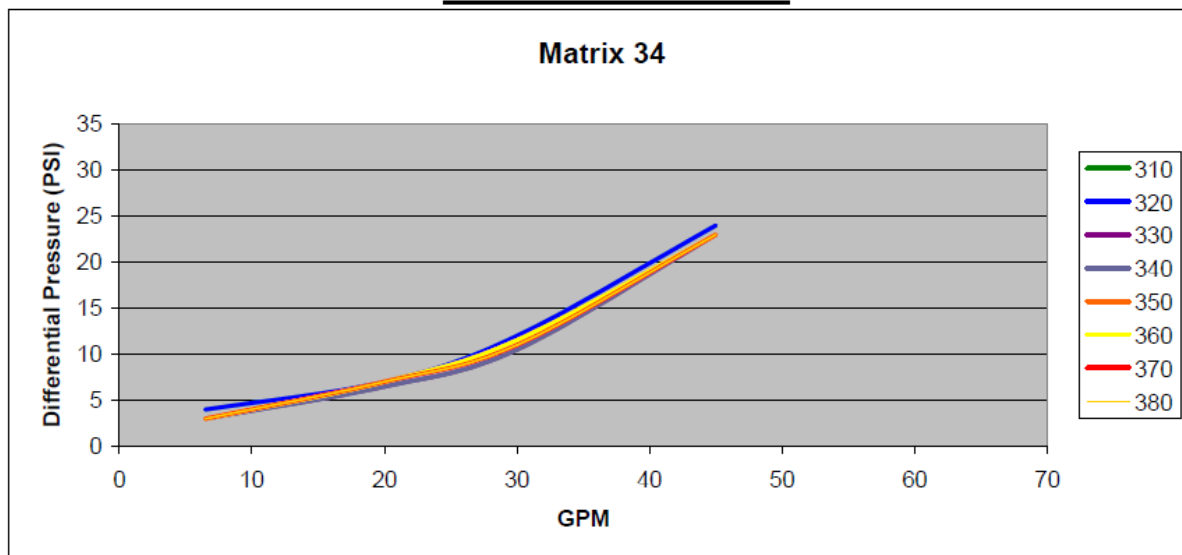
Ø2.80
Ø66.0 mm



TECHNICAL SPECIFICATIONS & FLOW TESTS

FLAT FACE MATRIX DRY-BREAK QUICK COUPLERS

Matrix 34 Flow Test



Fluid used for test

Mineral or White Spirits

SG @ 68 F

0.79

Viscosity @ 68 F

0.74 cp

Temp of fluid during test

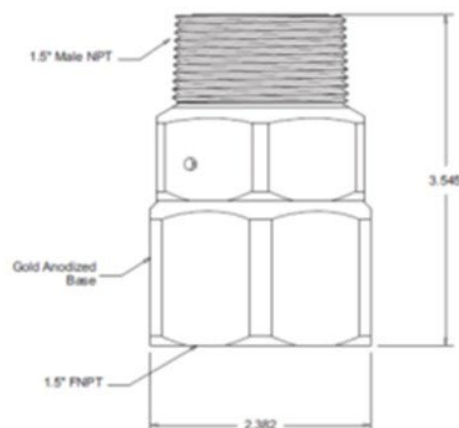
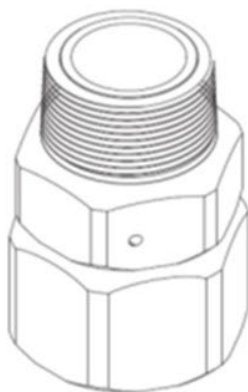
71.1 F

	310	320	330	340	350	360	370	380
Flow (GPM)	Differential Pressure (PSI)							
6.5	4	4	3	3	3	3	3	3
20	7	7	6.5	6.5	7	7	7	7
30	12	12	10.5	10.5	11.5	11.5	11	11
45	24	24	23	23	23	23	23	23

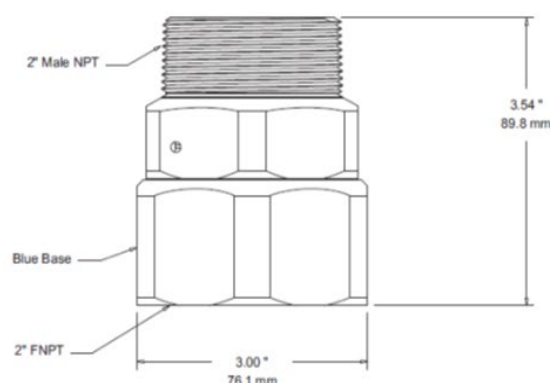
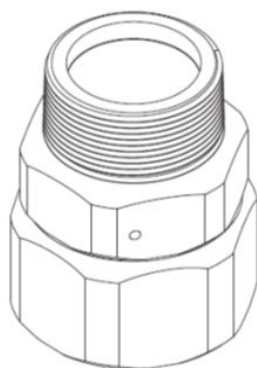
TECHNICAL SPECIFICATIONS & FLOW TESTS

SWIVELS—S150, S200, S215

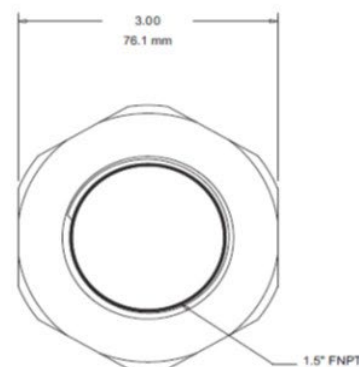
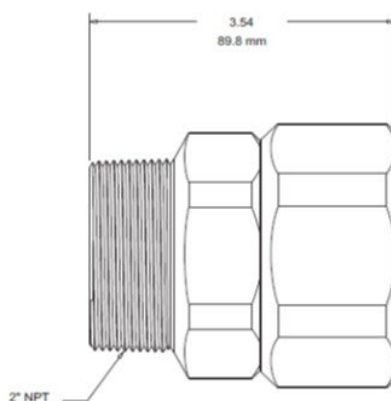
Swivels and breakaways keep fuel filled lines from becoming tangled and pinched. We offer a wide range of configurations to fit consumer fuel nozzles to high flow diesel nozzles.



S150—GOLD ANODISED BASE, 1.5" NPT THREAD; 1.5" FNPT BASE ; HEX 2.38"; HEIGHT BASE TO TOP OF THREAD 3.54"



S200—BLUE ANNODISED BASE; 2.0" NPT THREAD; 2.0" FNPT BASE; HEX 3.0"; HEIGHT BASE TO TOP OF THREAD 3.54"



S215—PURPLE ANNODISED BASE; 2.0" NPT THREAD ; 1.5" FNPT BASE; HEX 3.0"; HEIGHT BASE TO TOP OF THREAD 3.54"

TECHNICAL SPECIFICATIONS & FLOW TESTS

SWIVELS—S150, S200, S215



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 www.ifold.com.au

NOZZLES--FAST FILL DIESEL FUELING

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
N150C	CLASSIC REFUELING NOZZLE
N150C-2	2" CLASSIC REFUELING NOZZLE
N150CP	CLASSIC REFUELING NOZZLE WITH PLUG
N150CP-2	2" CLASSIC REFUELING NOZZLE WITH PLUG
N150PB	PIT BOSS REFUELING NOZZLE
N150PB-BR	PIT BOSS REFUELING NOZZLE BRINE RESISTANT
N150PBHD	PIT BOSS REFUELING NOZZLE
N150PBHDP	PIT BOSS HEAVY-DUTY FUEL NOZZLE WITH PLUG
N150PBP	PIT BOSS REFUELING NOZZLE WITH PLUG
N150PBP-BR	PIT BOSS REFUELING NOZZLE WITH PLUG
N150PBUP	UNDER GROUND PIT BOSS REFUELING NOZZLE WITH PLUG
N150PSL	SURELOC REFUELING NOZZLE WITH PISTON
N150PSLP	SURELOC REFUELING NOZZLE/PISTON WITH PLUG
N150R	RAPTOR REFUELING NOZZLE
N150R800	2" HIGH FLOW RAPTOR REFUELING NOZZLE
N150R800P	HIGH FLOW RAPTOR REFUELING NOZZLE WITH PLUG
N150RP	RAPTOR REFUELING NOZZLE WITH PLUG
N150SB	BULK FUELING NOZZLE W/ BALL CASTLE
N150SL	SURELOC REFUELING NOZZLE
N150SL-2	2" SURELOC REFUELING NOZZLE
N150PSL800	2" HIGH FLOW 800 LPM SURELOC REFUELING NOZZLE
N150PSL800P	2" HIGH FLOW 800 LPM SURELOC REFUELING NOZZLE WITH PLUG
N150SLP	SURELOC REFUELING NOZZLE WITH PLUG
N150SLP-2	2" SURELOC REFUELING NOZZLE WITH PLUG
N150T	TITAN NOZZLE
N150TLAS	TITAN NOZZLE LAS NOZZLE
N150TLASP	TITAN FUEL NOZZLE WITH TITAN PLUG
N150TP	TITAN FUEL NOZZLE WITH TITAN PLUG
N150TRC	TITAN REPLACEMENT CARTRIDGE
P150	PLUG & LANYARD - FUEL NOZZLE
P150-BR	PLUG & LANYARD - FUEL NOZZLE
P150LAS	LAS PLUG & LANYARD - FUEL NOZZLE
P150S	STEEL PLUG & LANYARD - FUEL NOZZLE
P150T	PLUG & LANYARD - FUEL NOZZLE
FN-SE-4	WIPER SEAL, CLASSIC (FFN150-45)
N6	FUELER 100 AUTO. 1-1/2" INLET
N618	FUELER 100 AUTO 1-1/2" INLET 18" SPOUT
N6L	FUELER 100 AUTO. 1-1/2" INLET 12" SPOUT
K1-N150C	CARRY HANDLE REPAIR KIT
K1-N150SL	SURELOC ON/OFF HANDLE KIT
K1-N150T	TITAN ON/OFF HANDLE KIT
K2-N150SL	SURELOC CARRY HANDLE REPAIR KIT
K2-N150T	TITAN CARRY HANDLE W/ BOLT
K4-N150PB	PITBOSS ON/OFF HANDLE KIT
K5-N150C	CLASSIC ON/OFF HANDLE KIT

RECEIVERS--FAST FILL DIESEL FUELING

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
R150-TL70	70MM TWIST LOCK FUEL RECEIVER (GREEN)
R150-TL70 CV	70MM TWIST LOCK FUEL RECEIVER (BLACK)
R150-TL70C	70MM TWIST LOCK FUEL RECEIVER W/ CAP
R150A-A	FUEL RECEIVER (9 PSIG SHUT-OFF PRESSURE, BLACK POPPET) ALUMINUM
R150A-B	FUEL RECEIVER (11 PSIG SHUT-OFF PRESSURE, BLUE POPPET) ALUMINUM
R150A-D	FUEL RECEIVER (7 PSIG SHUT-OFF PRESSURE, RED POPPET) ALUMINUM
R150AC-A	FUEL RECEIVER WITH CAP - ALUMINUM (9 PSIG SHUT OFF PRESSURE - BLACK POPPET)
R150AC-B	FUEL RECEIVER W/CAP (11 PSIG SHUT-OFF PRESSURE, BLUE POPPET - ALUMINUM
R150AC-D	FUEL RECEIVER W/CAP (7 PSIG SHUT-OFF PRESSURE, RED POPPET - ALUMINUM
R150CV	FUEL RECEIVER CHECK VALVE
R150CV-E	FUEL RECEIVER CHECK VALVE
R150CV-EP	CHECK VALVE EVACUATION PORT
R150CV BASE	FUEL RECEIVER CHECK VALVE
R150CV BASE EXT	EXTENDED FUEL RECEIVER CHECK VALVE BASE
R150CV EXT	EXTENDED FUEL RECEIVER CHECK VALVE W/ CAP
R150CVAD	CHECK VALVE WITH REMOTE MOUNTED R150SE RECEIVER
R150CVC	FUEL RECEIVER CHECK VALVE WITH CAP
R150CVC-E	FUEL RECEIVER CHECK VALVE WITH CAP
R150CVC-EP	FUEL RECEIVER CHECK VALVE EVACUATION PORT WITH CAP
R150CVCA	FUEL RECEIVER CHECK VALVE WITH ALUMINUM CAP
R150CVDI	CHECK VALVE DRAIN INSERT
R150CVR	CHECK VALVE REPLACEMENT RECEIVER WITH BLACK POPPET AND 9 PSIG SPRING
R150CVR-E	CHECK VALVE REPLACEMENT RECEIVER WITH PURPLE POPPET
R150CVR-J	MICRO PRESSURELESS 2PC RECEIVER FOR PLA150M SV
R150CVR2	CHECK VALVE REPLACEMENT RECEIVER WITH STEEL POPPET AND 9 PSIG SPRING
R150CVR-C	CHECK VALVE REPLACEMENT RECEIVER WITH BLACK POPPET AND 9 PSIG SPRING WITH CAP
R150CVR-C-J	MICRO PRESSURELESS 2PC RECEIVER WITH CAP FOR PLA150M SV
R150CVS	ALL STEEL FUEL RECEIVER CHECK VALVE
R150CVSC	STEEL FUEL RECEIVER CHECK VALVE WITH CAP
R150CVSW	CHECK VALVE SOCKET WRENCH
R150CVX	CHECK VALVE FUEL RECEIVER WITH EXTENSION
R150CVXC	CHECK VALVE FUEL RECEIVER WITH EXTENSION AND CAP
R150EXT	R150 FUEL RECEIVER EXTENSION
R150S-A	FUEL RECEIVER (9 PSIG SHUT-OFF PRESSURE, BLACK POPPET) - STEEL
R150S-B	FUEL RECEIVER (11 PSIG SHUT-OFF PRESSURE, BLUE POPPET) - STEEL
R150S-D	FUEL RECEIVER (7 PSIG SHUT-OFF PRESSURE, RED POPPET) - STEEL
R150S-E	STEEL FUEL RECEIVER WITH PURPLE POPPET USE W/PRESSURIZED SYSTEM W/HIGH HEAD PRESSURE
R150S-J	FUEL RECEIVER (12 PSIG SHUT-OFF PRESSURE - GREEN POPPET) STEEL - USE WITH PRESSURELESS SYSTEM
R150S2-A	FUEL RECEIVER (9 PSIG SHUT-OFF PRESSURE, STEEL POPPET) - STEEL
R150S2C-A	FUEL RECEIVER WITH CAP (9 PSIG SHUT-OFF PRESSURE, BLACK POPPET) STEEL
R150SC-A	FUEL RECEIVER WITH CAP (9 PSIG SHUT-OFF PRESSURE, BLACK POPPET) STEEL
R150SC-B	FUEL RECEIVER WITH CAP (11 PSIG SHUT-OFF PRESSURE, BLUE POPPET) STEEL
R150SC-D	FUEL RECEIVER WITH CAP (7 PSIG SHUT-OFF PRESSURE, RED POPPET) STEEL
R150SC-E	STEEL FUEL RECEIVER WITH CAP - PURPLE POPPET
R150SC-J	FUEL VALVE RECEIVER W/CAP (12 PSIG SHUT-OFF PRESSURE, GREEN POPPET) - STEEL
R150SF	STEEL RECEIVER FLANGE MOUNTED WITH O-RING
R150SFC	STEEL RECEIVER FLANGE MOUNTED WITHOUT RING WITH CAP
R150SJ	STEEL FUEL RECEIVER WITH JIC CONNECTION
R150SS-A	FUEL RECEIVER (9 PSIG SHUT-OFF PRESSURE,) - STAINLESS STEEL
R150SW	2 1/2" INSTALLATION SOCKET FOR FUEL RECEIVER
C150-TL70	70MM TWIST LOCK FUEL RECEIVER CAP

RECEIVERS CONT...--FAST FILL DIESEL FUELING

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
C150 (PLASTIC)	PLASTIC CAP - FUEL RECEIVER
C1502 (PLASTIC)	PLASTIC CAP - FUEL RECEIVER FOR STEEL RECEIVER
C150A	ALUMINUM CAP - FUEL RECEIVER
C150AE	ALUMINUM CAP WITH EYELET - FUEL RECEIVER
C150BP	FUEL RECEIVER CAP WITH SKIRT AND EYELET
C150E (PLASTIC)	PLASTIC CAP W/ EYELET - FUEL RECEIVER
C150F	CAP W/FLANGE - FUEL RECEIVER
FFF4C	WELD-ON FLUSH MOUNT BELL HOUSING
FFF5C	BOLT-ON FLUSH MOUNT BELL HOUSING
G150B	FLUSH MOUNT BOLT ON RECEIVER
G150BC	FLUSH MOUNT FLANGE-BOLT ON WITH STEEL RECEIVER WITH CAP
G150BCV	FLUSH MOUNT FLANGE - BOLT ON WITH CHECK VALVE RECEIVER ASSEMBLY
G150BCVC	FLUSH MOUNT FLANGE - BOLT-ON W/CHECK VALVE RECEIVER ASSEMBLY AND CAP
G150W	FLUSH MOUNT WELD ON STEEL RECEIVER
G150WA	FLUSH MOUNT WELD ON ALUMINUM RECEIVER
G150WAC	FLUSH MOUNT WELD ON ALUMINUM RECEIVER W/CAP
G150WC	FLUSH MOUNT STEEL RECEIVER WITH CAP (WELD ON)
G150WCV	FLUSH MOUNT FLANGE - WELD-ON W/CHECK VALVE RECEIVER ASSEMBLY
G150WCVC	FLUSH MOUNT FLANGE - WELD-ON W/CHECK VALVE RECEIVER ASSEMBLY W/CAP
K1-R150CV	FUEL RECEIVER CHECK VALVE TOOL KIT (R150CVD & R150CVSW)



MATRIX CONNECTORS--3/4" NPT & HI-FLO 1"

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
ET290	MATRIX EVACUATION TOOL W/ PLUG
ET290 125	MATRIX EVACUATION TOOL W/ PLUG 1-1/4" FNPT TREADS
ET290 J	MATRIX EVACUATION TOOL W/ PLUG JIC THREADS
EPK375	EVACUATION PORT FOR KOMATSU/R100 TWO PIECE BASE W/M27X2MM THREAD WITH
EPK390	EVACUATION PORT FOR KOMATSU/R100 TWO PIECE BASE W/M24 THREAD
N210	N210/34 MATRIX 3/4" NPT NOZZLE - GREEN
N220	N220/34 MATRIX 3/4" NPT NOZZLE - BLUE
N230	N230/34 MATRIX 3/4" NPT NOZZLE - PURPLE
N240	N240/34 MATRIX 3/4" NPT NOZZLE - GREY
N250	N250/34 MATRIX 3/4" NPT NOZZLE - ORANGE
N260	N260/34 MATRIX 3/4" NPT NOZZLE - YELLOW
N270	N270/34 MATRIX 3/4" NPT NOZZLE - RED
N280	N280/34 MATRIX 3/4" NPT NOZZLE - GOLD
N305	N305/34 MATRIX 3/4" NPT NOZZLE - PINK
N305P	N305/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - PINK
P305	"O" RING PLUG FOR 34 MATRIX NOZZLE - PINK (COMPATIBLE W/ STD. MATRIX 200 & 300)
R305	R305 MATRIX RECEIVER - PINK
R305C	R305 RECEIVER WITH "O" RING CAP - PINK
C305	"O" RING MATRIX CAP - PINK
N307	N307/34 MATRIX 3/4" NPT NOZZLE -BROWN
N307P	N307/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - BROWN
P307	"O" RING PLUG FOR 34 MATRIX NOZZLE - BROWN (COMPATIBLE W/ STD. MATRIX 200 & 300)
R307	R307 MATRIX RECEIVER - BROWN
R307C	R307 RECEIVER WITH "O" RING CAP - BROWN
C307	"O" RING MATRIX CAP - BROWN
N310	N310/34 MATRIX 3/4" NPT NOZZLE - GREEN
N310-1	N310/34 MATRIX 1" NPT NOZZLE - GREEN
N310P	N310/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - GREEN
N310P-1	N310/34 MATRIX 1" NPT NOZZLE WITH "O" RING PLUG - GREEN
P310	"O" RING PLUG FOR 34 MATRIX NOZZLE - GREEN (COMPATIBLE W/ STD. MATRIX 200 & 300)
R310	R310/34 MATRIX 3/4" NPT RECEIVER - GREEN (COUPLES W/ N210)
R310-1	R310 MATRIX RECEIVER - GREEN W/ 1" NPT RECEIVER BASE (COUPLES W/ N210)
R310-1250L	R310 MATRIX 6" LONG BASE W/ 1-1/4" NPT RECEIVER - GREEN (COUPLES W/ N210)
R310-12L	R310 MATRIX 6" BASE W/ 1/2" NPT RECEIVER - GREEN (COUPLES W/ N210)
R310C	R310/34 MATRIX 3/4" NPT RECEIVER WITH "O" RING CAP - GREEN (COUPLES W/ N210)
R310C-1	R310/34 MATRIX 1" NPT RECEIVER WITH "O" RING CAP - GREEN (COUPLES W/ N210)
R310J	R310/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE - GREEN
R310JC	R310/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE AND "O" RING CAP - GREEN
C310	"O" RING MATRIX CAP - GREEN
N320	N320/34 MATRIX 3/4" NPT NOZZLE - BLUE
N320-1	N310/34 MATRIX 1" NPT NOZZLE - BLUE
N320P	N320/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - BLUE
N320P-1	N320/34 MATRIX 1" NPT NOZZLE WITH "O" RING PLUG - BLUE
P320	"O" RING PLUG FOR 34 MATRIX NOZZLE - BLUE (COMPATIBLE W/ STD. MATRIX 200 & 300)
R320	R320 MATRIX 3/4" NPT RECEIVER - BLUE (COUPLES W/ N220)
R320-1	R320 MATRIX RECEIVER - BLUE W/ 1" NPT RECEIVER BASE (COUPLES W/ N220)
R320C	R320/34 MATRIX 3/4" NPT RECEIVER WITH "O" RING CAP - BLUE (COUPLES W/ N220)
R320C-1	R320/34 MATRIX 1" NPT RECEIVER WITH "O" RING CAP - BLUE (COUPLES W/ N220)
R320J	R320/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE - BLUE
R320JC	R320/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE AND "O" RING CAP - BLUE

MATRIX CONNECTORS--3/4" NPT & HI-FLO 1"

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
C320	"O" RING MATRIX CAP - BLUE
N330	N330/34 MATRIX 3/4" NPT NOZZLE - PURPLE
N330-1	N310/34 MATRIX 1" NPT NOZZLE - PURPLE
N330P	N330/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - PURPLE
N330P-1	N330/34 MATRIX 1" NPT NOZZLE WITH "O" RING PLUG - PURPLE
P330	"O" RING PLUG FOR 34 MATRIX NOZZLE - PURPLE (COMPATIBLE W/ STD. MATRIX 200 & 300)
R330	R330/34 MATRIX 3/4" NPT RECEIVER - PURPLE (COUPLES W/ N230)
R330-1	R330/34 MATRIX RECEIVER - PURPLE W/ 1" NPT RECEIVER BASE (COUPLES W/ N230)
R330C	R330 MATRIX 3/4" NPT RECEIVER WITH "O" RING CAP - PURPLE (COUPLES W/ N230)
R330C-1	R330 MATRIX 1" NPT RECEIVER WITH "O" RING CAP - PURPLE (COUPLES W/ N230)
R330J	R330/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE - PURPLE
R330JC	R330/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE AND "O" RING CAP - PURPLE
C330	"O" RING MATRIX CAP - PURPLE
N340	N340/34 MATRIX 3/4" NPT NOZZLE - GREY
N340-1	N310/34 MATRIX 1" NPT NOZZLE - GREY
N340P	N340/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - GREY
N340P-1	N340/34 MATRIX 1" NPT NOZZLE WITH "O" RING PLUG - GREY
P340	"O" RING PLUG FOR 34 MATRIX NOZZLE - GREY (COMPATIBLE W/ STD. MATRIX 200 & 300)
R340	R340/34 MATRIX 3/4" NPT RECEIVER - GREY (COUPLES W/ N240)
R340-1	R340/34 MATRIX RECEIVER - GREY W/ 1" NPT RECEIVER BASE (COUPLES W/ N240)
R340-1250L	R310/34 MATRIX 6" LONG BASE W/ 1-1/4" NPT RECEIVER - GREY (COUPLES W/ N240)
R340-12L	R310/34 MATRIX 6" BASE W/ 1/2" NPT RECEIVER - GREY (COUPLES W/ N240)
R340C	R340/34 MATRIX 3/4" NPT RECEIVER WITH "O" RING CAP - GREY (COUPLES W/ N240)
R340C-1	R340/34 MATRIX 1" NPT RECEIVER WITH "O" RING CAP - GREY (COUPLES W/ N240)
R340J	R340/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE - GREY
R340JC	R340/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE AND "O" RING CAP - GREY
C340	"O" RING MATRIX CAP - GREY
N350	N350/34 MATRIX 3/4" NPT NOZZLE - ORANGE
N350-1	N350/34 MATRIX 1" NPT NOZZLE - ORANGE
N350-CLR	N350/34 MATRIX 3/4" NPT NOZZLE - CLEAR
N350P	N350/34 MATRIX 3/4" NPT NOZZLE WITH "O" RING PLUG - ORANGE
N350P-1	N350/34 MATRIX 1" NPT NOZZLE WITH "O" RING PLUG - ORANGE
P350	"O" RING PLUG FOR 34 MATRIX NOZZLE - ORANGE (COMPATIBLE W/ STD. MATRIX 200 & 300)
P350-CLR	"O" RING PLUG FOR 34 MATRIX NOZZLE - CLEAR
R350	R350/34 MATRIX 3/4" NPT RECEIVER - ORANGE (COUPLES W/ N250)
R350-1	R350/34 MATRIX RECEIVER - ORANGE W/ 1" NPT RECEIVER BASE (COUPLES W/ N250)
R350-1250	R350/34 MATRIX RECEIVER - CLEAR W/ 1-1/4" NPT RECEIVER BASE (COUPLES W/ N250)
R350-1250-1250LC	R350/34 MATRIX 6" LONG BASE W/ 1-1/4" NPT RECEIVER - CLEAR W/ CAP (COUPLES W/ N250)
R350-1250-12LC	R310/34 MATRIX 6" BASE W/ 1/2" NPT RECEIVER - CLEAR W/ CAP (COUPLES W/ N250)
R350-1250C	R350/MATRIX RECEIVER WITH "O" RING CAP - CLEAR W/ 1-1/4" NPT RECEIVER BASE (COUPLES W/ N250)
R350-1250L	R350/34 MATRIX 6" LONG BASE W/ 1-1/4" NPT RECEIVER - CLEAR (COUPLES W/ N250)
R350-12L	R350/34 MATRIX 6" BASE W/ 1/2" NPT RECEIVER - CLEAR (COUPLES W/ N250)
R350C	R350/MATRIX 3/4" NPT RECEIVER WITH "O" RING CAP - ORANGE (COUPLES W/ N250)
R350C-1	R350/MATRIX 1" NPT RECEIVER WITH "O" RING CAP - ORANGE (COUPLES W/ N250)
R350J	R350/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE - ORANGE
R350JC	R350/34 MATRIX RECEIVER WITH JIC BULKHEAD BASE AND "O" RING CAP - ORANGE

MATRIX CONNECTORS--3/4" NPT & HI-FLO 1"

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
C350	"O" Ring Matrix Cap - Orange
C350-CLR	"O" Ring Matrix Cap - Clear
N360	N360/34 Matrix 3/4" NPT Nozzle- Yellow
N360-1	N360/34 Matrix 1" NPT Nozzle - Yellow
N360-E	N360/34 Matrix 3/4" NPT Nozzle EPDM Seals - Yellow
N360p	N360/34 Matrix 3/4" NPT Nozzle With "O" Ring Plug - Yellow
N360p-1	N360/34 Matrix 1" NPT Nozzle With "O" Ring Plug - Yellow
N360p-E	N360/34 Matrix 3/4" NPT Nozzle w/ EPDM Seals With "O" Ring Plug - Yellow
P360	"O" Ring Plug 360 for 34 Matrix Nozzle - Yellow (Compatible w/ Std. Matrix 200 & 300)
R360	R360/34 Matrix 3/4" NPT Receiver - Yellow (Couples w/ N260)
R360-1	R360/34 Matrix Receiver - Yellow w/ 1" NPT Receiver Base (Couples w/ N260)
R360c	R360/34 Matrix 3/4" NPT Receiver With "O" Ring Cap - Yellow (Couples w/ N260)
R360c-1	R360/34 Matrix 1" NPT Receiver With "O" Ring Cap - Yellow (Couples w/ N260)
R360J	R360/34 Matrix Receiver With JIC Bulkhead Base - Yellow
R360Jc	R360/34 Matrix Receiver With JIC Bulkhead Base and "O" Ring Cap - Yellow
C360	"O" Ring Matrix Cap - Yellow
N370	N370/34 Matrix 3/4" NPT Nozzle - Red
N370-1	N370/34 Matrix 1" NPT Nozzle - Red
N370p	N370/34 Matrix 3/4" NPT Nozzle With "O" Ring Plug - Red
N370p-1	N370/34 Matrix 1" NPT Nozzle With "O" Ring Plug - Red
P370	"O" Ring Plug 370 For 34 Matrix Nozzle - Red (Compatible w/ Std. Matrix 200 & 300)
R370	R370/34 Matrix Receiver - Red w/ 3/4 NPT Receiver Base (Couples w/ N270)
R370-1	R370/34 Matrix Receiver - Red w/ 1" NPT Receiver Base (Couples w/ N270)
R370c	R370/34 Matrix 3/4" NPT Receiver With "O" Ring Cap - Red (Couples w/ N270)
R370c-1	R370/34 Matrix 1" NPT Receiver With "O" Ring Cap - Red (Couples w/ N270)
R370J	R370/34 Matrix Receiver With JIC Bulkhead Base - Red
R370Jc	R370/34 Matrix Receiver With JIC Bulkhead Base and "O" Ring Cap - Red
C370	"O" Ring Matrix Cap - Red
N380	N380/34 Matrix 3/4" NPT Nozzle - Gold
N380-1	N380/34 Matrix 1" NPT Nozzle - Gold
N380p	N380/34 Matrix 3/4" NPT Nozzle With "O" Ring Plug - Gold
N380p-1	N380/34 Matrix 1" NPT Nozzle With "O" Ring Plug - Gold
P380	"O" Ring Plug 380 For 34 Matrix Nozzle - Gold (Compatible w/ Std. Matrix 200 & 300)
R380	R380/34 Matrix 3/4" NPT Receiver - Gold (Couples w/ N280)
R380-1	R380/34 Matrix Receiver - Gold w/ 1" NPT Receiver Base (Couples w/ N280)
R380-12	R380/34 Matrix Receiver - Gold w/.5" NPT Receiver Base (Couples w/ N280)
R380-12c	R380/34 Matrix Receiver With "O" Ring Cap - Gold w/.5" NPT Receiver Base (Couples w/ N280)
R380c	R380/34 Matrix 3/4" NPT Receiver With "O" Ring Cap - Gold (Couples w/ N280)
R380c-1	R380/34 Matrix 1" NPT Receiver With "O" Ring Cap - Gold (Couples w/ N280)
R380J	R380/34 Matrix Receiver With JIC Bulkhead Base - Gold
R380Jc	R380/34 Matrix Receiver With JIC Bulkhead Base and "O" Ring Cap - Gold
C380	"O" Ring Matrix Cap - Gold



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HIGH FLOW 1" MATRIX

PART NUMBER	DESCRIPTION
MXN1-1	HIGH FLOW 1" MATRIX NOZZLE RED (FLOMAX CROSSOVER)
MXN1-1P	HIGH FLOW 1" MATRIX NOZZLE RED W/ PLUG (FLOMAX CROSSOVER)
MXN2-1	HIGH FLOW 1" MATRIX NOZZLE GOLD (FLOMAX CROSSOVER)
MXN2-1P	HIGH FLOW 1" MATRIX NOZZLE GOLD W/ PLUG (FLOMAX CROSSOVER)
MXN3-1	HIGH FLOW 1" MATRIX NOZZLE TEAL (FLOMAX CROSSOVER)
MXN3-1P	HIGH FLOW 1" MATRIX NOZZLE TEAL W/ PLUG (FLOMAX CROSSOVER)
MXN4-1	HIGH FLOW 1" MATRIX NOZZLE PURPLE (FLOMAX CROSSOVER)
MXN4-1P	HIGH FLOW 1" MATRIX NOZZLE PURPLE W/ PLUG (FLOMAX CROSSOVER)
MXN5-1	HIGH FLOW 1" MATRIX NOZZLE NAVY BLUE (FLOMAX CROSSOVER)
MXN5-1P	HIGH FLOW 1" MATRIX NOZZLE NAVY BLUE W/ PLUG (FLOMAX CROSSOVER)
MXN6-1	HIGH FLOW 1" MATRIX NOZZLE COPPER (FLOMAX CROSSOVER)
MXN6-1P	HIGH FLOW 1" MATRIX NOZZLE COPPER W/ PLUG (FLOMAX CROSSOVER)
MXN7-1	HIGH FLOW 1" MATRIX NOZZLE GUN METAL BLUE (FLOMAX CROSSOVER)
MXN7-1P	HIGH FLOW 1" MATRIX NOZZLE GUN METAL BLUE W/ PLUG (FLOMAX CROSSOVER)
PMX1-1	HIGH FLOW 1" MXN1-1 NOZZLE PLUG RED (FLOMAX CROSSOVER)
PMX2-1	HIGH FLOW 1" MXN2-1 NOZZLE PLUG GOLD (FLOMAX CROSSOVER)
PMX3-1	HIGH FLOW 1" MXN3-1 NOZZLE PLUG TEAL (FLOMAX CROSSOVER)
PMX4-1	HIGH FLOW 1" MXN4-1 NOZZLE PLUG PURPLE (FLOMAX CROSSOVER)
PMX5-1	HIGH FLOW 1" MXN5-1 NOZZLE PLUG NAVY BLUE (FLOMAX CROSSOVER)
PMX6-1	HIGH FLOW 1" MXN6-1 NOZZLE PLUG COPPER (FLOMAX CROSSOVER)
PMX7-1	HIGH FLOW 1" MXN7-1 NOZZLE PLUG GUN METAL BLUE (FLOMAX CROSSOVER)
MXR1-1	HIGH FLOW 1" MATRIX RECEIVER RED (FLOMAX CROSSOVER)
MXR1-1C	HIGH FLOW 1" MATRIX RECEIVER RED W/ CAP (FLOMAX CROSSOVER)
MXR2-1	HIGH FLOW 1" MATRIX RECEIVER GOLD (FLOMAX CROSSOVER)
MXR2-1C	HIGH FLOW 1" MATRIX RECEIVER GOLD W/ CAPS (FLOMAX CROSSOVER)
MXR3-1	HIGH FLOW 1" MATRIX RECEIVER TEAL (FLOMAX CROSSOVER)
MXR3-1C	HIGH FLOW 1" MATRIX RECEIVER TEAL W/ CAPS (FLOMAX CROSSOVER)
MXR4-1	HIGH FLOW 1" MATRIX RECEIVER PURPLE (FLOMAX CROSSOVER)
MXR4-1C	HIGH FLOW 1" MATRIX RECEIVER PURPLE W/ CAPS (FLOMAX CROSSOVER)
MXR5-1	HIGH FLOW 1" MATRIX RECEIVER NAVY BLUE (FLOMAX CROSSOVER)
MXR5-1C	HIGH FLOW 1" MATRIX RECEIVER NAVY BLUE W/ CAPS (FLOMAX CROSSOVER)
MXR6-1	HIGH FLOW 1" MATRIX RECEIVER COPPER (FLOMAX CROSSOVER)
MXR6-1C	HIGH FLOW 1" MATRIX RECEIVER COPPER W/ CAPS (FLOMAX CROSSOVER)
MXR7-1	HIGH FLOW 1" MATRIX RECEIVER GUN METAL BLUE (FLOMAX CROSSOVER)
MXR7-1C	HIGH FLOW 1" MATRIX RECEIVER GUN METAL BLUE W/ CAPS (FLOMAX CROSSOVER)
CMX1-1	HIGH FLOW 1" MXR1-1 RECEIVER CAP RED (FLOMAX CROSSOVER)
CMX2-1	HIGH FLOW 1" MXR2-1 RECEIVER CAP GOLD (FLOMAX CROSSOVER)
CMX3-1	HIGH FLOW 1" MXR3-1 RECEIVER CAP TEAL (FLOMAX CROSSOVER)
CMX4-1	HIGH FLOW 1" MXR4-1 RECEIVER CAP PURPLE (FLOMAX CROSSOVER)
CMX5-1	HIGH FLOW 1" MXR5-1 RECEIVER CAP NAVY BLUE (FLOMAX CROSSOVER)
CMX6-1	HIGH FLOW 1" MXR6-1 RECEIVER CAP COPPER (FLOMAX CROSSOVER)
CMX7-1	HIGH FLOW 1" MXR7-1 RECEIVER CAP GUN METAL BLUE (FLOMAX CROSSOVER)



FLAT FACE MATRIX CONNECTORS- 3/4" NPT

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FFN210	3/4" FNPT FLAT FACE MATRIX NOZZLE-GREEN
FFR210	3/4" MNPT FLAT FACE MATRIX RECEIVER - GREEN
FFR210-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER - GREEN (FEMALE THREAD)
FFR210C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - GREEN
FFR210C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - GREEN
C210	210 FLAT FACE CAP - GREEN
NC210	3/4" FLAT FACE NOZZLE COVER GREEN (SMALL)
FFN220	3/4" FNPT FLAT FACE MATRIX NOZZLE-BLUE
FFR220	3/4" MNPT FLAT FACE MATRIX RECEIVER - BLUE
FFR220-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER - GREEN (FEMALE THREADS)
FFR220C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - BLUE
FFR220C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - BLUE
C220	220 FLAT FACE CAP - BLUE
NC220	3/4" FLAT FACE NOZZLE COVER BLUE (SMALL)
FFN230	3/4" FNPT FLAT FACE MATRIX NOZZLE-PURPLE
FFR230	3/4" MNPT FLAT FACE MATRIX RECEIVER -PURPLE
FFR230-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER -PURPLE (FEMALE THREADS)
FFR230C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - PURPLE
FFR230C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - PURPLE
C230	230 FLAT FACE CAP - PURPLE
NC230	3/4" FLAT FACE NOZZLE COVER PURPLE (SMALL)
FFN240	3/4" FNPT FLAT FACE MATRIX NOZZLE-GREY
FFR240	3/4" MNPT FLAT FACE MATRIX RECEIVER - GREY
FFR240-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER - GREY (FEMALE THREAD)
FFR240C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - GREY
FFR240C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - GREY
C240	240 FLAT FACE CAP - GREY
NC240	3/4" FLAT FACE NOZZLE COVER GREY (SMALL)
FFN245	3/4" FNPT FLAT FACE MATRIX NOZZLE - TEAL
FFR245	3/4" MNPT FLAT FACE MATRIX RECEIVER - TEAL
FFR245-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER - TEAL (FEMALE THREAD)
FFR245C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - TEAL
FFR245C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - ORANGE
C245	255 FLAT FACE CAP - CLEAR
NC245	3/4" FLAT FACE NOZZLE COVER CLEAR (LARGE)
FFN250	3/4" FNPT FLAT FACE MATRIX NOZZLE-ORANGE
FFR250	3/4" MNPT FLAT FACE MATRIX RECEIVER -ORANGE
FFR250-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER -ORANGE (FEMALE THREAD)
FFR250C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - ORANGE
FFR250C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - ORANGE
C250	250 FLAT FACE CAP - ORANGE
NC250	3/4" FLAT FACE NOZZLE COVER ORANGE (SMALL)
FFN255	3/4" FNPT FLAT FACE MATRIX NOZZLE - CLEAR
FFR255	3/4" MNPT FLAT FACE MATRIX RECEIVER - CLEAR
FFR255-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER - CLEAR (FEMALE THREAD)
FFR255C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - CLEAR
FFR255C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - ORANGE



FLAT FACE MATRIX CONNECTORS- 3/4" NPT

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
NC255	3/4" FLAT FACE NOZZLE COVER CLEAR (LARGE)
FFN260	3/4" FNPT FLAT FACE MATRIX NOZZLE-YELLOW
FFR260	3/4" MNPT FLAT FACE MATRIX RECEIVER-YELLOW
FFR260-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-YELLOW (FEMALE THREAD)
FFR260C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - YELLOW
FFR260C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - YELLOW
C260	260 FLAT FACE CAP - YELLOW
NC260	3/4" FLAT FACE NOZZLE COVER YELLOW (SMALL)
FFN265	3/4" FNPT FLAT FACE MATRIX NOZZLE-BROWN
FFR265	3/4" MNPT FLAT FACE MATRIX RECEIVER-265 BROWN
FFR265-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-265 BROWN (FEMALE THREAD)
FFR265C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - BROWN
FFR265C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - BROWN
C265	265 FLAT FACE CAP - BROWN
NC265	3/4" FLAT FACE NOZZLE COVER BROWN (SMALL)
FFN270	3/4" FNPT FLAT FACE MATRIX NOZZLE-RED
FFR270	3/4" MNPT FLAT FACE MATRIX RECEIVER-RED
FFR270-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-RED (FEMALE THREAD)
FFR270C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - RED
FFR270C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - RED
C270	270 FLAT FACE CAP - RED
NC270	3/4" FLAT FACE NOZZLE COVER RED (SMALL)
FFN275	3/4" FNPT FLAT FACE MATRIX NOZZLE-HOT PINK
FFR275	3/4" MNPT FLAT FACE MATRIX RECEIVER-HOT PINK
FFR275-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-HOT PINK (FEMALE THREAD)
FFR275C	3/4" MNPT FLAT FACE MATRIX RECEIVER-HOT PINK
FFR275C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-HOT PINK
C275	270 FLAT FACE CAP - HOT PINK
NC275	3/4" FLAT FACE NOZZLE COVER HOT PINK (LARGE)
FFN280	3/4" FNPT FLAT FACE MATRIX NOZZLE-GOLD
FFR280	3/4" MNPT FLAT FACE MATRIX RECEIVER-RED
FFR280-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-RED (FEMALE THREAD)
FFR280C	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - GOLD
FFR280C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER W/ CAP - GOLD
C280	280 FLAT FACE CAP - GOLD
NC280	3/4" FLAT FACE NOZZLE COVER GOLD (LARGE)
FFN285	3/4" FNPT FLAT FACE MATRIX NOZZLE-GUN METAL BLUE
FFR285	3/4" MNPT FLAT FACE MATRIX RECEIVER-GUN METAL BLUE
FFR285-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-GUN METAL BLUE (FEMALE THREAD)
FFR285C	3/4" MNPT FLAT FACE MATRIX RECEIVER-GUN METAL BLUE
FFR285C-34F	3/4" MNPT FLAT FACE MATRIX RECEIVER-GUN METAL BLUE
C285	285 FLAT FACE CAP - GUN METAL BLUE
NC285	3/4" FLAT FACE NOZZLE COVER GUN METAL BLUE (LARGE)
FFET290	3/4" FLAT FACE MATRIX EVAC TOOL
FFET290-J	FLAT FACE MATRIX EVAC TOOL - JIC THREADS
FFNSS2	FLAT FACE NOZZLE STAINLESS STEEL 2"



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GREASE MATRIX

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
GN210	3/4" GREASE NOZZLE SERIES 1
GN220	3/4" GREASE NOZZLE SERIES 2
GNC210	3/4" GREASE NOZZLE COVER - ORANGE
GR210	GR210
GR210C	3/4" GREASE RECEIVER W/ CAP
GC34-1	3/4 GREASE RECEIVER CAP SERIES 1
GC34-2	3/4 GREASE RECEIVER CAP SERIES 2



ADAPTERS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
A150A	Adapter - Straight
A150B	Adapter - 90 Degree
A150C	Adapter - 45 Degree



CRANKCASE FLUID TRANSFER COUPLERS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
N100	CRANKCASE NOZZLE
N100-BLK	CRANKCASE NOZZLE - ANODIZED BLACK
N100-BLU	CRANKCASE NOZZLE - ANODIZED BLUE
N100-GLD	CRANKCASE NOZZLE - ANODIZE GOLD
N100-GRN	CRANKCASE NOZZLE - ANODIZED GREEN
N100-GRY	CRANKCASE NOZZLE - ANODIZED GREY
N100-ORG	CRANKCASE NOZZLE - ANODIZED ORANGE
N100-PUR	CRANKCASE NOZZLE - ANODIZED PURPLE
N100-YEL	CRANKCASE NOZZLE - ANODIZED YELLOW
P100	PLUG - CRANKCASE NOZZLE
P100-BLK	PLUG - CRANKCASE NOZZLE - BLACK
P100-BLU	PLUG - CRANKCASE NOZZLE - BLUE
P100-GLD	PLUG (ANODIZED GOLD) - CRANKCASE NOZZLE
P100-GRN	PLUG (ANODIZED GREEN) - CRANKCASE NOZZLE
P100-GRY	PLUG - CRANKCASE NOZZLE - GREY
P100-ORG	PLUG (ANODIZED ORANGE2B) - CRANKCASE NOZZLE
P100-PUR	PLUG - CRANKCASE NOZZLE - PURPLE
P100-YEL	PLUG - CRANKCASE NOZZLE - YELLOW
N100P	CRANKCASE NOZZLE WITH PLUG
N100P-GRY	CRANKCASE NOZZLE WITH PLUG - ANODIZED GREY
R100	CRANKCASE RECEIVER
R100-BLK	CRANKCASE RECEIVER - BLACK
R100-BLU	CRANKCASE RECEIVER - BLUE
R100-GLD	CRANKCASE RECEIVER - ANODIZED GOLD
R100-GRN	CRANKCASE RECEIVER - ANODIZED GREEN
R100-GRY	CRANKCASE RECEIVER - GREY
R100-ORG	CRANKCASE RECEIVER - ORANGE
R100-ORG2B-ALUM	CRANKCASE RECEIVER - ANODIZED ORANGE2B **ALL ALUMINUM BODY**
R100-PUR	CRANKCASE RECEIVER - PURPLE
R100-YEL	CRANKCASE RECEIVER - YELLOW
C100	CAP - CRANKCASE RECEIVER
C100-BLK	CAP - CRANKCASE RECEIVER - BLACK
C100-BLU	CAP - CRANKCASE RECEIVER - BLUE
C100-GLD	CAP (ANODIZE GOLD) - CRANKCASE RECEIVER
C100-GRN	CAP (ANODIZE GREEN) - CRANKCASE RECEIVER
C100-GRY	CAP - CRANKCASE RECEIVER - GREY
C100-ORG2B	CAP (ANODIZE ORANGE) - CRANKCASE RECEIVER
C100-PUR	CAP - CRANKCASE RECEIVER - PURPLE
C100-YEL	CAP - CRANKCASE RECEIVER - YELLOW
R100C	CRANKCASE RECEIVER WITH CAP
R100C-ORG2B-ALUM	CRANKCASE RECEIVER WITH CAP - ANODIZED ORANGE2B
N100S	ALL STEEL CRANKCASE NOZZLE
N100SP	ALL STEEL CRANKCASE NOZZLE WITH PLUG
P100S	PLUG - ALL STEEL CRANKCASE NOZZLE
R100S	CRANKCASE RECEIVER ALL STEEL
R100SC	CRANKCASE RECEIVER - ALL STEEL (R100) WITH CAP
C100S	CAP - STEEL "R" CRANKCASE RECEIVER
R100J	CRANKCASE RECEIVER (BULKHEAD/JIC)
R100JC	CRANKCASE RECEIVER WITH NUT & CAP (BULKHEAD/JIC)
N100R	"R" CRANKCASE NOZZLE
N100R-CLR	"R" CRANKCASE NOZZLE - CLEAR
N100R-YEL	"R" CRANKCASE NOZZLE - YELLOW

CRANKCASE FLUID TRANSFER COUPLERS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
C100R	CAP - "R" CRANKCASE RECEIVER
C100R-BRN	BROWN CAP "R" CRANKCASE RECEIVER
C100R-GLD	GOLD CAP "R" CRANKCASE RECEIVER
C100R-ORG	ORANGE CAP - "R" CRANKCASE RECEIVER
C100R-YEL	CAP - "R" CRANKCASE RECEIVER (YELLOW)
R100RC	"R" CRANKCASE RECEIVER WITH CAP
R100RC-GLD	"R" CRANKCASE RECEIVER WITH CAP - GOLD
N100U	CRANKCASE NOZZLE (UNIVERSAL)
N100U-BLU	CRANKCASE NOZZLE (UNIVERSAL) - BLUE
N100U-GLD	CRANKCASE NOZZLE (UNIVERSAL) - ANODIZED GOLD
N100U-GRN	CRANKCASE NOZZLE (UNIVERSAL) - ANODIZED GREEN
N100U-GRY	CRANKCASE NOZZLE (UNIVERSAL) - GREY
N100U-ORG	CRANKCASE NOZZLE (UNIVERSAL) - ORANGE
N100U-PUR	CRANKCASE NOZZLE (UNIVERSAL) - PURPLE
N100U-YEL	CRANKCASE NOZZLE (UNIVERSAL) - YELLOW
N100UP	CRANKCASE NOZZLE WITH PLUG (UNIVERSAL)
N100UP-BLU	CRANKCASE NOZZLE WITH PLUG (UNIVERSAL) - BLUE
N100UP-GRY	CRANKCASE NOZZLE WITH PLUG (UNIVERSAL) - GREY
N100UP-YEL	CRANKCASE NOZZLE WITH PLUG (UNIVERSAL) - YELLOW
N100H	CRANKCASE NOZZLE HIGH PRESSURE
N100H - YEL	CRANKCASEHIGH FLOW NOZZLE (UNIVERSAL)
N100HP	HIGH PRESSURE CRANKCASE NOZZLE WITH PLUG
N100HP-YEL	CRANKCASE HIGH FLOW NOZZLE WITH PLUG (UNIVERSAL) - YELLOW
N100US	CRANKCASE NOZZLE STEEL(UNIVERSAL)
N100USP	ALL STEEL CRANKCASE NOZZLE WITH PLUG
EPK100	EVACUATION PORT /R100 TWO PIECE BASE W/M24 THREAD
EPK100C	EVACUATION PORT /R100 TWO PIECE BASE W/M24 THREAD W/ CAP
SB100	SERVICE BOX WITH FLUID NPT COUPLERS WITHOUT RECEIVERS
SB100F	SERVICE BOX WITH FUEL & FLUID NPT COUPLERS WITHOUT RECEIVERS
SB100-BP	SERVICE BOX BACK PLATE W/ COUPLERS POWDER COATED
SB100FQC	SERVICE BOX WITH FUEL AND FOUR FLUID RECEIVER
SB100QC	SERVICE BOX WITH FOUR FLUID RECEIVERS
OS100	OIL SAMPLE VALVE
OS100-34	OIL SAMPLE VALVE
OS100B	OIL SAMPLE BOTTLE WITH LID

COOLANT FLUID TRANSFER COUPLERS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
N200	COOLANT NOZZLE
P200	PLUG - COOLANT NOZZLE
N200P	COOLANT NOZZLE WITH PLUG
R200	COOLANT RECEIVER
R200J	COOLANT RECEIVER WITH JIC BULKHEAD BASE
R200JC	COOLANT RECEIVER WITH JIC BULKHEAD BASE WITH CAP
C200	CAP - COOLANT RECEIVER
R200C	COOLANT RECEIVER WITH CAP
N200 12	COOLANT NOZZLE WITH 1/2" FEMALE NPT
N200 34	COOLANT NOZZLE WITH 3/4" NPT MALE THREADS
N200 34P	COOLANT NOZZLE WITH 3/4" MALE NPT WITH PLUG
N200S	ALL STEEL COOLANT NOZZLE
N200SP	ALL STEEL COOLANT NOZZLE WITH PLUG
P200S	ALL STEEL PLUG - COOLANT NOZZLE
R200S	ALL STEEL COOLANT RECEIVER
R200SC	ALL STEEL COOLANT RECEIVER WITH STEEL CAP
C200S	CAP - COOLANT RECEIVER
N200R	"R" COOLANT NOZZLE
N200R-CLR	"R" COOLANT NOZZLE CLEAR
P200R	PLUG - "R" COOLANT NOZZLE
P200R-CLR	CLEAR PLUG - "R" COOLANT NOZZLE
P200R-ORG	PLUG - "R" COOLANT NOZZLE ORANGE
N200RP	"R" COOLANT NOZZLE WITH PLUG
N200RP-CLR	"R" COOLANT NOZZLE WITH PLUG CLEAR
R200R	"R" COOLANT RECEIVER
R200R LONG	"R" COOLANT RECEIVER LONG
R200R-GRN	"R" COOLANT RECEIVER R200R GREEN
R200R-LONG-ORG	"R" COOLANT RECEIVER LONG ORANGE
R200R-SHORT	"R" COOLANT RECEIVER SHORT
R200R-SHORT-ORG	"R" COOLANT RECEIVER SHORT - ORANGE
C200R	CAP - "R" COOLANT RECEIVER
C200R-GRN	CAP - "R" COOLANT RECEIVER-GREEN
R200RC	"R" COOLANT RECEIVER WITH CAP
R200RC-GRN	"R" COOLANT RECEIVER WITH CAP - GREEN
N200RH	HIGH PRESSURE "R" COOLANT NOZZLE
N200RH-ORG	HIGH PRESSURE "R" COOLANT NOZZLE ORANGE
N200RHP	HIGH PRESSURE "R" COOLANT NOZZLE WITH PLUG
N200U	UNIVERSAL COOLANT NOZZLE
N200UP	UNIVERSAL COOLANT NOZZLE WITH PLUG

HYDRAULIC FLUID TRANSFER COUPLERS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
N300	HYDRAULIC NOZZLE (DOG STYLE)
N300B (BALL STYLE)	HYDRAULIC NOZZLE (BALL STYLE)
P300	PLUG - HYDRAULIC NOZZLE
N300P	HYDRAULIC NOZZLE WITH PLUG
N300BP	HYDRAULIC NOZZLE (BALL STYLE) WITH PLUG
N300 34	HYDRAULIC NOZZLE WITH 3/4" NPT MALE THREADS
R300	HYDRAULIC RECEIVER
R300J	HYDRAULIC RECEIVER WITH JIC BULKHEAD BASE
R300JC	HYDRAULIC RECEIVER WITH JIC BULKHEAD BASE WITH CAP
C300	CAP - HYDRAULIC RECEIVER
R300C	HYDRAULIC RECEIVER WITH CAP
N300S	ALL STEEL HYDRAULIC NOZZLE
N300SP	STEEL HYDRAULIC NOZZLE WITH STEEL PLUG
P300S	ALL STEEL HYDRAULIC PLUG
R300S	ALL STEEL HYDRAULIC RECEIVER
R300SC	ALL STEEL HYDRAULIC RECEIVER WITH STEEL CAP
C300S	ALL STEEL CAP - HYDRAULIC RECEIVER
N300R	"R" HYDRAULIC NOZZLE
N300R-CLR	"R" HYDRAULIC NOZZLE - CLEAR
N300R-ORG	"R" HYDRAULIC NOZZLE - ORANGE
P300R	PLUG - "R" HYDRAULIC NOZZLE
P300R-CLR	PLUG - "R" HYDRAULIC NOZZLE
P300R-ORG	PLUG - "R" HYDRAULIC NOZZLE - ORANGE
N300RP	"R" HYDRAULIC NOZZLE WITH PLUG
N300RP-CLR	"R" HYDRAULIC NOZZLE WITH PLUG- CLEAR
R300R	"R" HYDRAULIC RECEIVER
R300R-CLR	CLEAR "R" HYDRAULIC RECEIVER
R300R-CPR	COPPER "R" HYDRAULIC RECEIVER
R300R-ORG2B	ORANGE "R" HYDRAULIC RECEIVER
R300R-RED	"R" HYDRAULIC RECEIVER-RED
C300R	CAP - "R" HYDRAULIC RECEIVER
C300R-CLR	CLEAR CAP - "R" HYDRAULIC RECEIVER
C300R-CPR	COPPER CAP - "R" HYDRAULIC RECEIVER
C300R-ORG2B	ORANGE CAP - "R" HYDRAULIC RECEIVER
C300R-RED	CAP - "R" HYDRAULIC RECEIVER
R300RC	"R" HYDRAULIC RECEIVER WITH CAP
R300RC-CLR	CLEAR "R" HYDRAULIC RECEIVER WITH CAP
R300RC-CPR	COPPER "R" HYDRAULIC RECEIVER WITH CAP
R300RC-ORG2B	ORANGE "R" HYDRAULIC RECEIVER WITH CAP
R300RC-RED	"R" HYDRAULIC RECEIVER WITH CAP-RED

TRANSMISSION FLUID TRANSFER COUPLERS



FAST FILL SYSTEMS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
N400	TRANSMISSION NOZZLE
P400	PLUG - TRANSMISSION NOZZLE
N400P	TRANSMISSION NOZZLE WITH PLUG
N400 34	TRANSMISSION NOZZLE WITH 3/4" MALE NPT THREADS
R400	TRANSMISSION RECEIVER
R400 34	TRANSMISSION RECEIVER WITH 3/4" MALE NPT THREADS
R400 34C	TRANSMISSION RECEIVER WITH 3/4" NPT MALE THREADS WITH CAP
R400J	TRANSMISSION RECEIVER WITH JIC BULKHEAD BASE
R400JC	TRANSMISSION RECEIVER WITH JIC BULKHEAD BASE WITH CAP
C400	CAP - TRANSMISSION RECEIVER
R400C	TRANSMISSION RECEIVER WITH CAP
N400S	STEEL TRANSMISSION NOZZLE
N400SP	STEEL TRANSMISSION NOZZLE WITH STEEL PLUG
P400S	STEEL PLUG - TRANSMISSION NOZZLE
R400S	ALL STEEL TRANSMISSION RECEIVER
R400SC	ALL STEEL TRANSMISSION RECEIVER WITH STEEL CAP
C400S	ALL STEEL CAP - TRANSMISSION RECEIVER
N400R	"R" TRANSMISSION NOZZLE
N400R-BRN	"R" TRANSMISSION NOZZLE - BROWN
P400R	PLUG - "R" TRANSMISSION NOZZLE
N400RP	"R" TRANSMISSION NOZZLE WITH PLUG
R400R	"R" TRANSMISSION RECEIVER
R400R-BLU	"R" TRANSMISSION RECEIVER-BLUE
R400R-BRN	BROWN "R" TRANSMISSION RECEIVER
R400R-GRY	"R" TRANSMISSION RECEIVER-GREY
R400R-ORG	"R" TRANSMISSION RECEIVER-ORANGE
R400R-PUR	"R" TRANSMISSION RECEIVER-PURPLE
C400R	CAP - "R" TRANSMISSION RECEIVER
C400R-BLU	CAP - "R" TRANSMISSION RECEIVER-BLUE
C400R-BRN	BROWN CAP - "R" TRANSMISSION RECEIVER
C400R-GRY	CAP - "R" TRANSMISSION RECEIVER-GREY
C400R-ORG	CAP - "R" TRANSMISSION RECEIVER-ORANGE
C400R-PUR	CAP - "R" TRANSMISSION RECEIVER-PURPLE
R400RC	"R" TRANSMISSION RECEIVER WITH CAP
R400RC-BLU	BLUE "R" TRANSMISSION RECEIVER WITH BLUE CAP
R400RC-BRN	BROWN "R" TRANSMISSION RECEIVER WITH BROWN CAP
R400RC-GRY	BROWN "R" TRANSMISSION RECEIVER WITH GREY CAP
R400RC-ORG	BROWN "R" TRANSMISSION RECEIVER WITH ORANGE CAP
R400RC-PUR	PURPLE "R" TRANSMISSION RECEIVER WITH PURPLE CAP

PRESSURELESS COMPONENTS

PART NUMBER	DESCRIPTION
PL150-M DT S	MICRO SHUT-OFF VALVE DRAIN TOOL (SHAW BASE W/2" NPT)
PL150-M TA	TANK ADAPTOR - CHALLENGER 875 PLASTIC TANK TO 2" NPT
PLA-M 1314	90° HOSE BARB
PLA80-SVLC	PRESSURELESS SHUTOFF VALVE AND LEVEL CONTROL DROP DOWN TUBE WITH SINGLE INLET 2" NPT PORT
PLA150-M LF	PRESSURELESS SYSTEM FOR LOCOMOTIVE
PLA150-M VOLVO	PRESSURELESS SYSTEM ASSEMBLY PLATE FOR VOLVO
PLA150-M VOLVO-7	VOLVO PRESSURELESS SYSTEM FOR TOP FILL
PLA150-M DT	MICRO SHUT-OFF VALVE DRAIN TOOL FOR ALUMINUM SYSTEM
PLA150-M EP	PRESSURELESS SHUTOFF VALVE EVACUATION PORT
PLA150-M EPC	PRESSURELESS SHUTOFF VALVE EVACUATION PORT WITH CAP
PLA150-M ESL TC	2" NPT TANK CONNECTOR FOR EXTERNAL SIGNAL LINE W/ JIC CONNECTIONS
PLA150-M ESL TC34	3/4" NPT EXTERNAL SIGNAL LINE ADAPTOR
PLA150-M ESL TCV	2" NPT VENTED EXTERNAL SIGNAL LINE ADAPTOR
PLA150-M PTF	2" NPT FLANGE FOR PLASTIC TANK
PLA150-M PTSF	CAT PLASTIC TANK SPLASH FILL -2" NPT ADAPTOR
PLA150-M RF	CAT 6 BOLT RECEIVER FLANGE ADAPTOR TO 2" NPT
PLA150-M RRM-2	SHUTOFF VALVE MOUNTING "CAN" FOR EXTERNAL SIGNAL LINE INCLUDES 2 PC STEEL FUEL RECEIVER
PLA150-M RRM-2AD	SHUTOFF VALVE MOUNTING "CAN" FOR EXTERNAL SIGNAL LINE WITH AD150
PLA150-M RRM-2CM	DUAL OUTLET REMOTE MOUNT CAN FOR CAT GRADER
PLA150-M RRM-3	SHUTOFF VALVE MOUNTING "CAN" FOR INTERNAL SIGNAL LINE INCLUDES 2 PC STEEL FUEL RECEIVER
PLA150-M RRM TOOL	LID INSTALLATION TOOL FOR PL150 RRM AND PL150 RRM-2
PLA150-M SC	CAT SPLASH FILL CAP ADAPTOR TO 2" NPT
PLA150-M SCD	CAT SPLASH FILL CAP ADAPTOR TO 2" NPT W/DIP STICK
PLA150-M SV	PRESSURELESS SHUTOFF VALVE
PLA150-M SV- LF	PRESSURELESS FLANGED SHUTOFF FOR LOCOMOTIVE
PLA150-M SV-1 (12")	PRESSURELESS TOP FILL DROP-DOWN SHUTOFF VALVE ASSEMBLY W/1EA 12" DROP DOWN TUBE
PLA150-M SV-2 (12")	PRESSURELESS TOP FILL DROP-DOWN SHUTOFF VALVE ASSEMBLY W/ 2EA 12" DROP DOWN TUBES
PLA150-M SV-2 V (12")	PRESSURELESS TOP FILL DROP-DOWN SHUTOFF VALVE ASSEMBLY W/ 2EA 12" DROP DOWN TUBES FOR VOLVO FLANGE
PLA150-M SV-3 (12")	PRESSURELESS TOP FILL DROP-DOWN SHUTOFF VALVE ASSEMBLY W/ 3EA 12" TUBES
PLA150-M SV-5 (12")	PRESSURELESS TOP FILL DROP-DOWN SHUTOFF VALVE ASSEMBLY W/5 12" TUBES
PLA150-M SV-7"	PRESSURELESS TOP FILL DROP-DOWN SHUTOFF VALVE ASSEMBLY W/7" TUBE & 2" NPT
PLA150-M SV61	6 BOLT FLANGE W/PRESSURELESS SHUTOFF VALVE W/ CODE 61 FLANGE FOR INTERNAL SIGNAL LINE
PLA150-M SV61-12	12 BOLT ALUMINUM FLANGE FOR PRESSURELESS SHUTOFF VALVE W/ CODE 61 FLANGE FOR INTERNAL SIGNAL LINE
PLA150-M SV61-12E	12 BOLT ALUMINUM FLANGE W/ PRESSURELESS SHUTOFF VALVE ASSY W/ CODE 61 W/ EXTERNAL SIGNAL LINE CONNECTIONS

PRESSURELESS COMPONENTS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
PLA150-M SV61-M	PRESSURELESS SHUTOFF VALVE W/ CODE 61 FLANGE FOR CAT MANIFOLD
PLA150-M SV61E	6 BOLT FLANGE W/ PRESSURELESS SHUTOFF VALVE ASSY W/ CODE 61 FLANGE W/ EXTERNAL SIGNAL LINE CONNECTIONS
PLA150-M SVEBH	BOLT-ON BELL HOUSING REPLACEMENT W/SHUTOFF VALVE ASSY W/EXTERNAL SIGNAL LINE CONNECTION
PLA150-M SVF	6 BOLT FLANGE W/ PRESSURELESS SHUTOFF VALVE ASSEMBLY W/ INTERNAL SIGNAL LINE CONNECTIONS W/ 2 PC RECEIVER
PLA150-M SVFE	6 BOLT FLANGE W/ PRESSURELESS SHUTOFF VALVE ASSEMBLY W/ EXTERNAL SIGNAL LINE CONNECTIONS FOR 2 PC RECEIVER
PLA150-M SVFE-12	12 BOLT FLANGE W/ PRESSURELESS SHUTOFF VALVE ASSEMBLY W/ EXTERNAL SIGNAL LINE CONNECTIONS FOR 2 PC RECEIVER
PLA150-M SVT6	PRESSURELESS THREADED SHUTOFF VALVE FOR TOP FILL SYSTEM W/#6 JIC FITTING
PLA150-M TANKER	17" X 3/16" PNO HOT ROLLED STEEL 16-INCH MANHOLE COVER FOR TANKER TRUCKS
PLA150-M TFS-1	PRESSURELESS ASSEMBLY FOR SHALLOW TANK W/R150CVC-J
PLA150-M TFS-2	PRESSURELESS ASSEMBLY FOR SHALLOW TANK W/AD150
PLA150-M TFS-3	PRESSURELESS ASSEMBLY FOR SHALLOW TANK W/AD150J
PLA150-M VF	CAT 6 BOLT VENT FLANGE ADAPTOR TO 2" NPT
PLA150-M VF JD	JOHN DEERE VENT FLANGE ADAPTOR TO 2" NPT
PLA150-M VLC	PRESSURELESS VENT LEVEL CONTROLLER
PLA150-M VLC DUAL	PRESSURELESS VENT LEVEL CONTROLLER WITH DUAL SIGNAL LINE W/11 SPACERS
PLA150-M VLC DUAL-5	PRESSURELESS VENT LEVEL CONTROLLER WITH DUAL SIGNAL LINE W/5 SPACERS
PLA150-M VLC FOR FFV150-PL	PRESSURELESS VENT LEVEL CONTROLLER FOR FFV150 PL
PLA150-M VLCE	PRESSURELESS VENT LEVEL CONTROLLER W/ OPTIONAL EXTERNAL SIGNAL LINE
PLA150-M VLCE-12	PRESSURELESS VENT LEVEL CONTROLLER W/ OPTIONAL EXTERNAL SIGNAL LINE W/ 12" STEM
PLA150-M VLCE-DUAL	DUAL PRESSURELESS VENT LEVEL CONTROLLER W/ OPTIONAL EXTERNAL SIGNAL LINE
PLA150-M VLCE F	PRESSURELESS VENT LEVEL CONTROLLER W/ OPTIONAL EXTERNAL SIGNAL LINE W/ FLANGE
PLA150-M VLCE F2	PRESSURELESS VENT LEVEL CONTROLLER W/ FLANGE CONNECTION AND OPTIONAL EXTERNAL SIGNAL LINE
PLA150-M VLCE FOR FFV150	PRESSURELESS VENT LEVEL CONTROLLER FOR FFV150 PL W/ OPTIONAL EXTERNAL SIGNAL LINE
PLA150-M VLCE SW	PRESSURELESS VLCE SOCKET WRENCH
AD150	2" NPT ADAPTER FOR REMOTE MOUNT MICRO PRESSURELESS SHUT-OFF SYSTEM
AD150J	CHECK VALVE ADAPTOR W/JIC CONNECTION
AD150JR	R150CVR ADAPTOR WITH JIC CONNECTION
APN-PLA-M-10	1" RED SPACER
PL-P-6	SIGNAL LINE (10 FT) WITH #6 JIC HOSE ENDS R115-6SS6FJX-10'
FFF6C	BOLT-ON FLUSH MOUNT BELL HOUSING FLANGE..3/8"-16 TPI FEMALE THREAD
K1-PLA150-M	PRESSURELESS INSTALLATION AND DRAIN TOOL KIT

VENTS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
V150	FUEL VENT - STANDARD 5" STEM
V150A	FUEL VENT - STANDARD 5" STEM W/HALF COUPLING
V150AL12	FUEL VENT - EXTENDED 12" STEM W/ HALF COUPLING
V150AL7	FUEL VENT - EXTENDED 7" STEM W/ HALF COUPLING
V150B	FUEL VENT - STANDARD 5" STEM W/BOLT-ON FLANGE
V150BL7	FUEL VENT - EXTENDED 7" STEM WITH BOLT-ON FLANGE
V150C	FUEL VENT - STANDARD 5" STEM W/NPT EXTENSION 3/4" F
V150C-1	FUEL VENT - STANDARD 5" STEM W/NPT EXTENSION 1" M
V150CAL12	FUEL VENT - EXTENDED STEM (12") W/HALF COUPLING W/NPT EXTENSION
V150CAL7	FUEL VENT - EXTENDED STEM (7") W/HALF COUPLING W/NPT EXTENSION
V150CL12	FUEL VENT - EXTENDED STEM (12") W/NPT EXTENSION
V150CL7	FUEL VENT - EXTENDED STEM (7") W/NPT EXTENSION
V150CT	FUEL VENT - STANDARD 5" STEM W/NPT EXTENSION 3/4" F AND PROTECTION TUBE
V150D	ANTI-VANDALISM FUEL VENT - STANDARD 5" STEM
V150DL12	ANTI-VANDALISM FUEL VENT - EXTENDED 12" STEM
V150DL7	ANTI-VANDALISM FUEL VENT W/7" STEM
V150H	HIGH VOLUME FUEL VENT V150H/FVH (STD. 5" STEM)
V150H-CKV	HIGH VOLUME FUEL VENT W/CHECK VALVE (STD. 5" STEM)
V150H-CKV 2	HIGH VOLUME FUEL VENT WITH HOLE FOR CHECK VALVE
V150H-CKV 2R	HIGH VOLUME FUEL VENT WITH HOLE FOR CHECK VALVE
V150HA	HIGH VOLUME FUEL VENT V150H/FVH (STD. 5" STEM) WITH HALF COUPLING
V150HB	HIGH FLOW FUEL VENT - STANDARD 5" STEM W/BOLT-ON FLANGE
V150HBL12	HIGH VOLUME FUEL VENT (12" STEM) W/BOLT-ON FLANGE
V150HC	HIGH VOLUME THREADED STANDARD FUEL VENT WITH NPT EXTENSION (STD. 5" STEM)
V150HCA	HIGH VOLUME THREADED STANDARD FUEL VENT WITH 1-1/2" COUPLING AND NPT EXTENSION (STD. 5"
V150HCL12	HIGH VOLUME THREADED STANDARD FUEL VENT WITH NPT EXTENSION (STD. 12" STEM)
V150HL12	HIGH VOLUME FUEL VENT (12" STEM)
V150HL7	HIGH VOLUME FUEL VENT (7" STEM)
V150HW	HIGH VOLUME FUEL VENT W/WHISTLE V150HW/FVH (STD. 5" STEM)
V150L12	FUEL VENT - EXTENDED 12" STEM
V150L12 PT	FUEL VENT - EXTENDED 12" STEM WITH PROTECTION SLEEVE
V150L14.5	FUEL VENT - EXTENDED 14.5" STEM
V150L7	FUEL VENT - EXTENDED 7" STEM
V150R	FUEL VENT WITH ROLLOVER PROTECTION
V150S	FUEL VENT - LOW PROFILE (5" STEM)



VENTS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
V150SR	FUEL VENT SAFETY RELIEF VALVE
V150T	FUEL VENT - STANDARD 5" STEM W/ PROTECTION TUBE
V150W	WHISTLE FUEL VENT (STD. 5" STEM)
V150WCBL7	FUEL VENT - EXTENDED STEM (7" STEM) W/BOLT-ON FLANGE W/NPT EXT W/WHISTLE
FFV-MF	3 MICRON REPLACEMENT FILTER
FFV150	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY
FFV150-1	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 1" NPT FEMALE BREATHER ADAPTOR W/O FIL-
FFV150-2	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 1" NPT FEMALE BREATHER ADAPTOR W/O HOSE
FFV150-34M	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 3/4" MALE NPT BREATHER ADAPTOR
FFV150-34M BUCYRUS	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 3/4" "MALE NPT BREATHER ADAPTOR
FFV150-BCKV	BREATHER ADAPTER WITH CHECK VALVE AND 3 MICRON FILTER
FFV150-BCKV1F	BREATHER ADAPTER ONLY - 1" FNPT FILTER PORT
FFV150-BCKV34	BREATHER ADAPTOR ONLY-3/4"
FFV150-BCKV78	BREATHER ADAPTER ONLY - 7/8" FILTER PORT
FFV150-HV	FILTERED FUEL VENT - HIGH VOLUME 2" NPT TOP AND BOTTOM
FFV150-HV VB	FILTERED FUEL VENT - HIGH VOLUME 2" NPT W/ VACCUM BREAK
FFV150-HVB VB	FILTERED FUEL VENT - HIGH VOLUME BSP W/ VACUUM BREAK
FFV150-K2	HIGH FLOW VENT WITH CHECK VALVE AND 3 MICRON FILTER
FFV150-K2R	HIGH FLOW VENT WITH CHECK VALVE AND 3 MICRON FILTER
FFV150-LP	LOW PROFILE FILTER VENT FOR PRESSURELESS
FFV150-PL	FILTERED FUEL VENT FOR PRESSURELESS SYSTEM
FFV150-PLR	FILTERED FUEL VENT FOR PRESSURELESS SYSTEM W/ VENT HOSE REDUCTION
FFV150-R	REMOTE UNVSL MNT FILTER VENT ASSY W/ VENT HOSE REDUCTION
FFV150-VB1	REMOTE UNVSL MNT FILTER VENT ASSY, 1" NPT FML BREATHER ADAPTOR & VACUUM BREAK
FFV150-VB1-K	REMOTE UNVSL MNT FILTER VENT ASSY, 1" NPT FML BREATHER ADAPTOR & VACUUM BREAK W/ 3/4" FE-
FFV150-VB1-KH	REMOTE UNVSL MNT FILTER VENT ASSY, 1" NPT FML BREATHER ADAPTOR & VACUUM BREAK W/ 3/4" FE-
FFV150-WA	FILTER VENT ASSEMBLY WITHOUT ADAPTOR
FFV150ACN	GOLD 1" NPT ALUMINUM CLOSE NIPPLE
FFV150BKT	REMOTE FIT MOUNTING BRACKET W/SCREWS
FFV150HB	RED HOSE BARB
K1-FFV150	LG CK BODY HOSE REDUCTION REPLACEMENT (FFV150HR)
K1-V150	FUEL VENT KIT
K2-FFV150	VACUUM BREAK W/1" FNPT PORT ASSEMBLY
K2-V150H	HIGH VOLUME FUEL VENT KIT
WSL 150	WHISTLE FOR VENT ASSEMBLY

VENTS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
V150SR	FUEL VENT SAFETY RELIEF VALVE
V150T	FUEL VENT - STANDARD 5" STEM W/ PROTECTION TUBE
V150W	WHISTLE FUEL VENT (STD. 5" STEM)
V150WCBL7	FUEL VENT - EXTENDED STEM (7" STEM) W/BOLT-ON FLANGE W/NPT EXT W/WHISTLE
FFV-MF	3 MICRON REPLACEMENT FILTER
FFV150	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY
FFV150-1	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 1" NPT FEMALE BREATHER ADAPTOR W/O FIL-
FFV150-2	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 1" NPT FEMALE BREATHER ADAPTOR W/O HOSE
FFV150-34M	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 3/4" MALE NPT BREATHER ADAPTOR
FFV150-34M BUCYRUS	REMOTE UNIVERSAL MOUNT FILTER VENT ASSEMBLY WITH 3/4" "MALE NPT BREATHER ADAPTOR
FFV150-BCKV	BREATHER ADAPTER WITH CHECK VALVE AND 3 MICRON FILTER
FFV150-BCKV1F	BREATHER ADAPTER ONLY - 1" FNPT FILTER PORT
FFV150-BCKV34	BREATHER ADAPTOR ONLY-3/4"
FFV150-BCKV78	BREATHER ADAPTER ONLY - 7/8" FILTER PORT
FFV150-HV	FILTERED FUEL VENT - HIGH VOLUME 2" NPT TOP AND BOTTOM
FFV150-HV VB	FILTERED FUEL VENT - HIGH VOLUME 2" NPT W/ VACCUM BREAK
FFV150-HVB VB	FILTERED FUEL VENT - HIGH VOLUME BSP W/ VACUUM BREAK
FFV150-K2	HIGH FLOW VENT WITH CHECK VALVE AND 3 MICRON FILTER
FFV150-K2R	HIGH FLOW VENT WITH CHECK VALVE AND 3 MICRON FILTER
FFV150-LP	LOW PROFILE FILTER VENT FOR PRESSURELESS
FFV150-PL	FILTERED FUEL VENT FOR PRESSURELESS SYSTEM
FFV150-PLR	FILTERED FUEL VENT FOR PRESSURELESS SYSTEM W/ VENT HOSE REDUCTION
FFV150-R	REMOTE UNVSL MNT FILTER VENT ASSY W/ VENT HOSE REDUCTION
FFV150-VB1	REMOTE UNVSL MNT FILTER VENT ASSY, 1" NPT FML BREATHER ADAPTOR & VACUUM BREAK
FFV150-VB1-K	REMOTE UNVSL MNT FILTER VENT ASSY, 1" NPT FML BREATHER ADAPTOR & VACUUM BREAK W/ 3/4" FE-
FFV150-VB1-KH	REMOTE UNVSL MNT FILTER VENT ASSY, 1" NPT FML BREATHER ADAPTOR & VACUUM BREAK W/ 3/4" FE-
FFV150-WA	FILTER VENT ASSEMBLY WITHOUT ADAPTOR
FFV150ACN	GOLD 1" NPT ALUMINUM CLOSE NIPPLE
FFV150BKT	REMOTE FIT MOUNTING BRACKET W/SCREWS
FFV150HB	RED HOSE BARB
K1-FFV150	LG CK BODY HOSE REDUCTION REPLACEMENT (FFV150HR)
K1-V150	FUEL VENT KIT
K2-FFV150	VACUUM BREAK W/1" FNPT PORT ASSEMBLY
K2-V150H	HIGH VOLUME FUEL VENT KIT
WSL 150	WHISTLE FOR VENT ASSEMBLY
DI:DC-2	DESICCANT FILTER
DC-3	20 CFM (=150 GPM), 2 MICRON FILTRATION, 8" HIGH, 1" MALE MPT

HOSE ACCESSORIES--SWIVELS & BREAKAWAYS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
S75	HOSE SWIVEL - 3/4" ALUMINIUM
S100	HOSE SWIVEL - 1" ALUMINIUM
S125	HOSE SWIVEL - 1 1/4"
S150	HOSE SWIVEL - 1-1/2"
S200	HOSE SWIVEL - 2"
S215	HOSE SWIVEL WITH 2" NPT MALE THREADS AND 1.5" FEMALE THREADS
S215S	STEEL HOSE SWIVEL WITH 2" NPT MALE THREADS AND 1.5" FEMALE THREADS
S512	HOSE SWIVEL - 1 1/2" MNPT X 2 FNPT
AB1	1" BREAKAWAY COUPLER
AB14	1-1/4" BREAKAWAY COUPLER
AB15	1-1/2" BREAKAWAY COUPLING
AB1BSP	1" BREAKAWAY COUPLER WITH BSP THREADS
AB2	2" BREAKAWAY COUPLER
AB3	3" BREAKAWAY COUPLER
AB34	3/4" BREAKAWAY COUPLER
AC1010	DUAL PLANE SWIVEL - 1 X 1 OPW 421TOS-1000
AWS34	SWIVEL - 3/4" ALUMINIUM
AWS10	SWIVEL - 1" ALUMINIUM
AWS1515	SWIVEL 1-1/2" X 1-1/2"
BA14K	1-1/4" BREAKAWAY COUPLER REPAIR KIT
BA15K	1-1/2" BREAKAWAY COUPLER REPAIR KIT
BA1K	1" BREAKTIME REPAIR KIT
BA2K	2" BREAKAWAY COUPLER REPAIR KIT
BA34K	3/4" BREAKAWAY COUPLER REPAIR KIT
BA3K	3" BREAKAWAY COUPLER REPAIR KIT
HB90	HOSE CONNECTION ELBOW



NOZZLES--CONSUMER, FARM & TRUCKSTOP

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
N1L	MF 1000 1" INLET AUTO. LED
N1LF	MF 1000 AUTO. FARM 1-1/2" INLET W/HOOD LED
N1U	MF 1000 1" INLET AUTO UN-LED
N1UF	MF 1000 AUTO. FARM 1" INLET W/HOOK UN-LED.
N3	BIGMOUTH AUTO. 1" INLET
N4	FUELMASTER AUTO. 1" INLET
N4OGL	FUELMASTER AUTO. 1" INLET 12" SPOUT
N7L	LEADED 5-STAR AUTOMATIC 3/4" INLET W/SNAP ON GUARD
N7UOB	UNLEADED, 5-STAR 3/4" INLET, BLACK
N8U	MF 2000 5 STAR 3/4" INLET 1" OUT AUTOMATIC
R11	1290 DIESEL AUTO. 1-1/2" INLET
R11L	1290 DIESEL AUTO. 1-1/2" INLET 12" SPOUT
R3	BIGMOUTH AUTO 1" INLET
R4	FUELMASTER AUTO. 1" INLET
R4L	FUELMASTER AUTO. 1" INLET, 12" SPOUT
R6U	11A AUTO. 3/4" INLET UN-LED
R7	FUELER 100 AUTO 1-1/2" INLET
R718	FUELER AUTO. 1-1/2" INLET 18" SPOUT
R7L	FUELER AUTO. 1-1/2" INLET 12" SPOUT
R8	7H AUTO. 1" INLET
R8B	7HB AUTO. 1" INLET
R8L	7H AUTO. 1" INLET 12" SPOUT
R8T	7H AUTO. TOP CAL. 1" INLET WITH COLLAR
SF1N	FUELER 100 REPLACEMENT SPOUT



UNDERGROUND MINING PRODUCTS--ALL STEEL COMPONENTS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
P150S	STEEL PLUG & LANYARD - FUEL NOZZLE
R150S2-A	FUEL RECEIVER (9 PSIG SHUT-OFF PRESSURE, STEEL POPPET) - STEEL
R150S2C-A	FUEL RECEIVER WITH CAP (9 PSIG SHUT-OFF PRESSURE, BLACK POPPET) STEEL
R150SC-A	FUEL RECEIVER WITH CAP (9 PSIG SHUT-OFF PRESSURE, BLACK POPPET) STEEL
R150SC-B	FUEL RECEIVER WITH CAP (11 PSIG SHUT-OFF PRESSURE, BLUE POPPET) STEEL
R150SC-D	FUEL RECEIVER WITH CAP (7 PSIG SHUT-OFF PRESSURE, RED POPPET) STEEL
R150SC-E	STEEL FUEL RECEIVER WITH CAP - PURPLE POPPET
R150SC-J	FUEL VALVE RECEIVER W/CAP (12 PSIG SHUT-OFF PRESSURE, GREEN POPPET) - STEEL
R150SF	STEEL RECEIVER FLANGE MOUNTED WITH O-RING
R150SFC	STEEL RECEIVER FLANGE MOUNTED WITHOUT RING WITH CAP
R150SJ	STEEL FUEL RECEIVER WITH JIC CONNECTION
R150SS-A	FUEL RECEIVER (9 PSIG SHUT-OFF PRESSURE,) - STAINLESS STEEL
R150SW	2 1/2" INSTALLATION SOCKET FOR FUEL RECEIVER
V150S	FUEL VENT - LOW PROFILE (5" STEM)
V150SR	FUEL VENT SAFETY RELIEF VALVE
N100S	ALL STEEL CRANKCASE NOZZLE
N100SP	ALL STEEL CRANKCASE NOZZLE WITH PLUG
P100S	PLUG - ALL STEEL CRANKCASE NOZZLE
R100S	CRANKCASE RECEIVER ALL STEEL
R100SC	CRANKCASE RECEIVER - ALL STEEL (R100) WITH CAP
C100S	CAP - STEEL "R" CRANKCASE RECEIVER
N200S	ALL STEEL COOLANT NOZZLE
N200SP	ALL STEEL COOLANT NOZZLE WITH PLUG
P200S	ALL STEEL PLUG - COOLANT NOZZLE
R200S	ALL STEEL COOLANT RECEIVER
R200SC	ALL STEEL COOLANT RECEIVER WITH STEEL CAP
C200S	CAP - COOLANT RECEIVER
N300S	ALL STEEL HYDRAULIC NOZZLE
N300SP	STEEL HYDRAULIC NOZZLE WITH STEEL PLUG
P300S	ALL STEEL HYDRAULIC PLUG
R300S	ALL STEEL HYDRAULIC RECEIVER
R300SC	ALL STEEL HYDRAULIC RECEIVER WITH STEEL CAP
C300S	ALL STEEL CAP - HYDRAULIC RECEIVER
N400S	STEEL TRANSMISSION NOZZLE
N400SP	STEEL TRANSMISSION NOZZLE WITH STEEL PLUG
P400S	STEEL PLUG - TRANSMISSION NOZZLE
R400S	ALL STEEL TRANSMISSION RECEIVER
R400SC	ALL STEEL TRANSMISSION RECEIVER WITH STEEL CAP
C400S	ALL STEEL CAP - TRANSMISSION RECEIVER



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One of the most respected engineers of his time with over 250 provisional patents and over 112 accepted as world wide patented inventions, Richard Joseph (Dick) Ifield's engineering heritage lives on through the direct family lineage to Ifield Products.

As an accomplished inventor, Dick's most famous invention, a fuel pump known as the Ifield Pump was to become standard equipment on jet aircraft from Whittle's first jet engine through to the Concorde. This invention alone earned Lucas Industries millions of pounds through their own sales and through the sale of manufacturing licenses.

Through Ifield products we continue Dick's legacy through constant unrelenting innovation as we work with our industry partners on developing engineering solutions.

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☎ 1300 320 110

✉ sales@ifield.com.au

💻 www.ifield.com.au

ABN 44 159 528 739