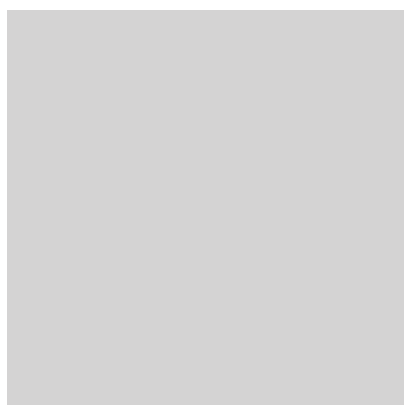
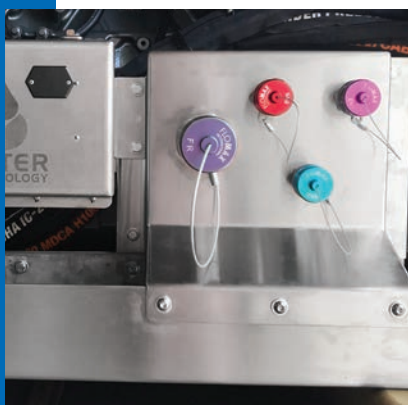
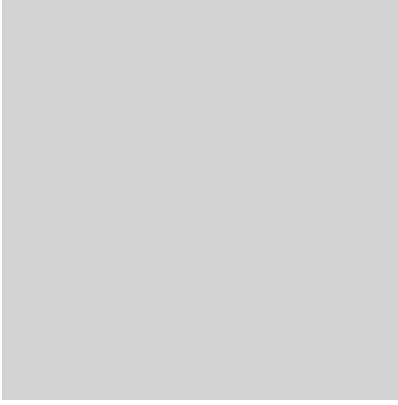
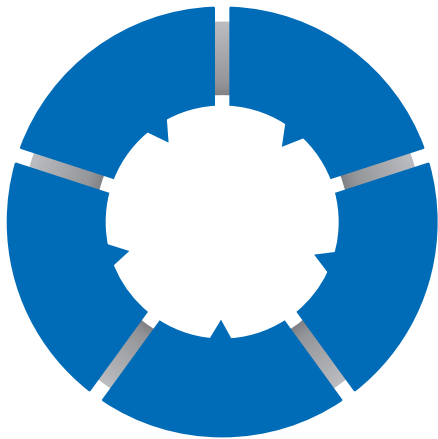


JSG INDUSTRIAL SYSTEMS

FLOMAX CATALOGUE 2023





Quality Engineered Systems

Lubrication Systems

Instrumentation & Flow Management

Fire Suppression

JSG INDUSTRIAL SYSTEMS

Since its inception in 1968, JSG Industrial Systems has been a proud supplier of quality industrial products, all of which are designed to reduce maintenance costs and to improve the management of assets. Our focus is to provide the best possible technical support, field testing, technical analysis, and ongoing product development. The reliability of our products is a testament to the structured approach we take to Engineered Industrial Systems.

QUALITY ENGINEERED SYSTEMS

Our portfolio is grouped into 3 key product platforms. This approach enables us to group together complementary products & solutions required for various industrial sectors. Each of our platforms is supported by a dedicated team of Product Specialists within our Technical Support division. These specialists are available for onsite work, technical training sessions, and of course after-sales support to our distribution network and end-user markets.

DISTRIBUTOR NETWORK

In each of the geographic areas we support, we have a network of carefully-selected Platform Partners. These qualified professionals provide local area support to all of our valued end-user customers. Each Platform Partner has access to our online system which gives them 24/7 visibility of service sheets & technical libraries that may be required in the lifetime of your product. Once systems are installed and commissioned, our Platform Partners assist with ongoing training, servicing, upgrades and maintenance.

FLOMAX PRODUCTS:

Having the right diesel and fuel system allows the user to fill and evacuate fluids quickly, efficiently and safely with minimal spillage.

WHY CHOOSE FLOMAX?

Full workshop consisting of 28 CNC machines, operated by dedicated, long service employees. Lean six sigma practices developed by in-house black belt master. Utilising knowledge and experience drawn from the medical, aviation and mining industries all components are designed and manufactured in-house following certified work procedures.

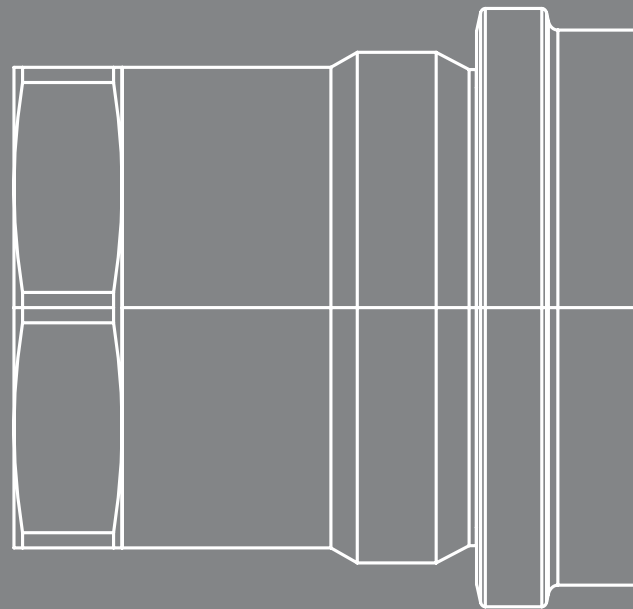
- High quality raw materials, aluminum and Stainless Steel
- High quality anodizing
- High quality laser marking
- High quality seals and o-rings
- Uses factory approved o-ring lubricants during assembly
- Patented designs
- Factory certified to meet or exceed all rated pressure and performance specifications
- Every product is tested thoroughly before dispatch

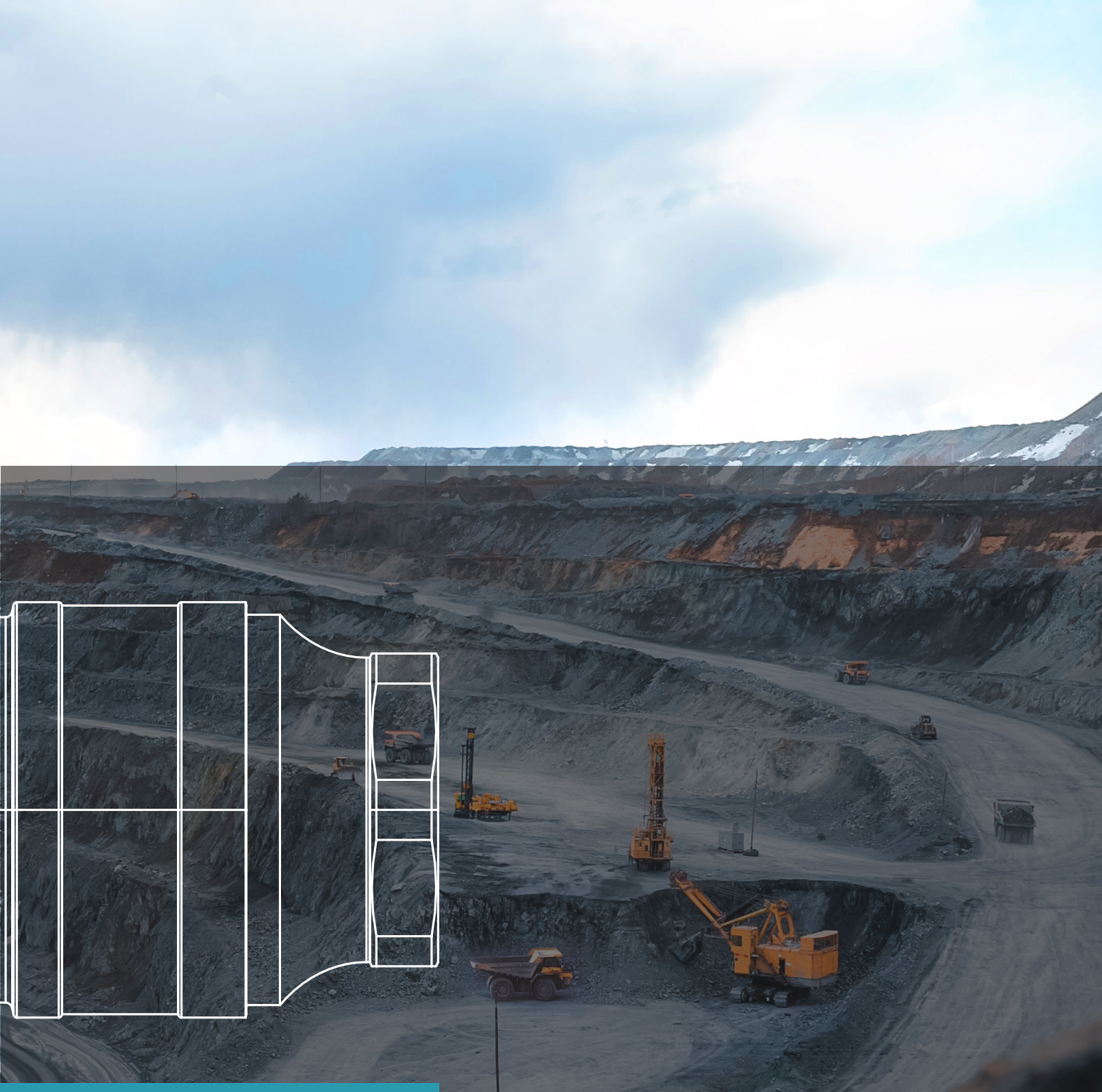


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FLOMAX COUPLERS





SPECTRIX FLUSH FACE SERIES

Patented Design

FloMAX patented Spectrix range of Flush Face connectors ensures that cross contamination is eliminated throughout the life-cycle of the plant equipment. Each of its 12 colours are uniquely keyed so that incorrectly interchanging connections during a service is prevented, thus eliminating the potential for unscheduled maintenance.

- Non-interchangeable couplers in 12 colour choices to prevent fluid cross contamination
- Flush Face design reduces the chances of contamination
- Stainless steel and aircraft grade aluminium construction
- Hardened stainless steel receiver nose ensures higher operating pressures
- Can be connected and disconnected under pressure
- 500 psi working pressure
- High 190 lpm Flow Rate

The Spectrix Flush Face series Quick Connectors are designed to eliminate cross-contamination. All units are thoroughly tested beyond operational expectations and ensure a leak free fluid transfer.

MULTICOLOURED

The unique design allows a variety of colours to ensure each one cannot interchange with the other to eliminate cross contamination.

FLAT FACE













Each receiver and nozzle has a flat face preventing the ingress of particles and foreign materials, which can sometimes accelerate wear on the receivers and nozzles as well as contribute to contamination.

QUALITY MATERIALS








Combined with hardened steel and aircraft grade aluminium and thoroughly tested beyond normal operating parameters to ensure smooth operation in various conditions.



Flush Face Nozzles

PART NO.	DESCRIPTION	
53-FLN #1	Nozzle – Red	
53-FLN #2	Nozzle – Gold	
53-FLN #3	Nozzle – Teal	
53-FLN #4	Nozzle – Violet	
53-FLN #5	Nozzle – Navy	
53-FLN #6	Nozzle – Brown	
53-FLN #7	Nozzle – Blue/Grey	
53-FLN #8	Nozzle – Clear	
53-FLN #9	Nozzle – Green	
53-FLN #10	Nozzle – Grey	
53-FLN #11	Nozzle – Bronze	
53-FLN #12	Nozzle – Orange	

Flush Face Receivers with Cap

PART NO.	DESCRIPTION	
53-FLR-C #1	Receiver – Red	
53-FLR-C #2	Receiver – Gold	
53-FLR-C #3	Receiver – Teal	
53-FLR-C #4	Receiver – Violet	
53-FLR-C #5	Receiver – Navy	
53-FLR-C #6	Receiver – Brown	
53-FLR-C #7	Receiver – Blue/Grey	
53-FLR-C #8	Receiver – Clear	
53-FLR-C #9	Receiver – Green	
53-FLR-C #10	Receiver – Grey	
53-FLR-C #11	Receiver – Bronze	
53-FLR-C #12	Receiver – Orange	

- Notes:
- Standard nozzle and receiver connections are $\frac{3}{4}$ " NPT(m)
 - Nozzles can also be ordered with 1-16" JIC(m) threads by adding "J" to the part number. eg. 53-FLNJ #1
 - The # is part of the product code.

Features & Dimensions

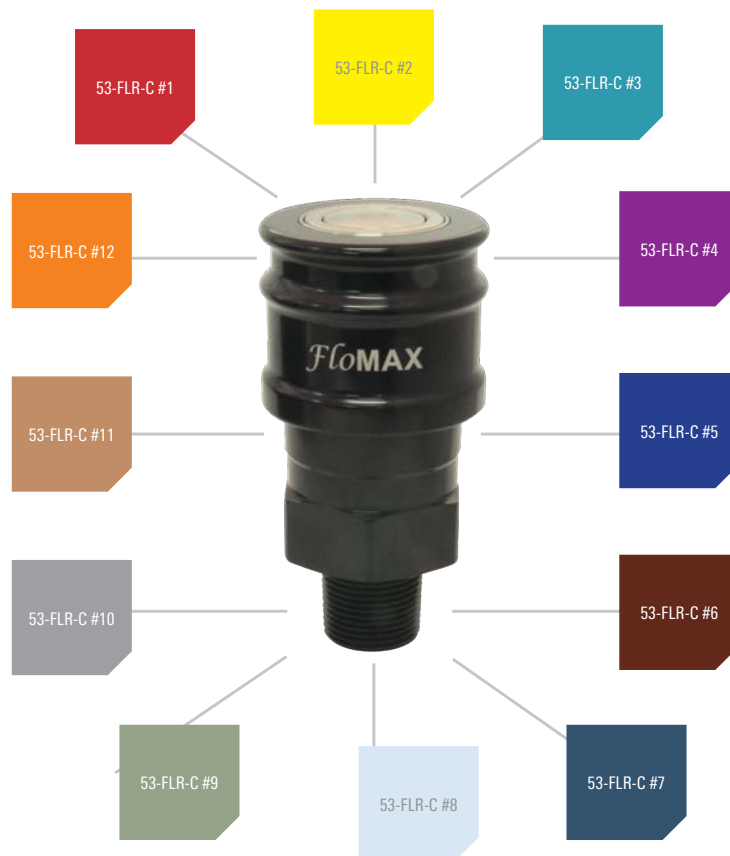


TYPE	Nozzle (3/4" NPT)	Nozzle (JIC)	Receiver	Evac Tool
WEIGHT	0.4kg (0.9lb)	0.5kg (1.1lb)	0.3kg (0.6lb)	0.45kg (1.0lb)

Evacuation Tool

The Evacuation tool works like the master key and connects to all receiver colours for easy waste fluid evacuation. An in-built check valve ensures one-way flow preventing accidental fluid transfer back into the tank. Available in 3/4" NPT (m) and 3/4" JIC (m).

PART NO.	DESCRIPTION
53-FLN #16EVAC	Nozzle - Black 3/4" NPT (m)
53-FLN-J #16EVAC	Nozzle - Black 3/4" JIC (m)



DEF Coupler

316 stainless steel non-interchangeable receiver and nozzle designed specifically for DEF (Diesel Exhaust Fluid) transfer while preventing cross contamination. Capable of being connected and disconnected under pressure.

PART NO.	DESCRIPTION
53-FLN -DEF	Nozzle - Stainless steel
53-FLR -DEF-C	Receiver with Cap - Stainless steel



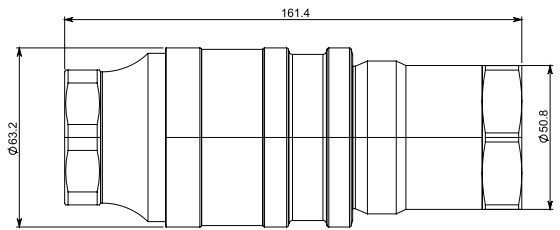
FLOMAX FLUSH FACE GREASE COUPLING

The FloMAX grease coupling has a unique ability to be easily connected and disconnected while there is pressure in the system.

- Non-interchangeable couplers in 2 colour choices to prevent fluid cross contamination
- Can be connected and disconnected under pressure
- Flush face design helps ensure vehicle and part cleanliness
- Patented design uses an internally sealed ball lock mechanism to ensure trouble free performance even in the most harsh of conditions
- All stainless steel construction ensures long life and repeatable performance
- Receiver has a built in check valve.
- Fail Safe shut-off for safety
- 5000 psi rated
- 1" NPT(f) on both receiver and nozzle for maximum flow and adaptability.



PART NO.	TYPE	DETAILS
53-FLRG-C	Receiver #1 (w/ Blue cap)	Thread type: NPT 1" Pressure rating: 5,000 psi Material: Stainless steel
53-FLNG	Nozzle #1	
53-FLRG-C#2	Receiver #2 (w/ Orange cap)	
53-FLNG#2	Nozzle #2	
53-FLNG-BSPP	Nozzle #1	Thread type: BSPP 3/4" Pressure rating: 5,000 psi Material: Stainless steel
53-FLRG-C-BSPP	Receiver #1 (w/ Blue cap)	



QUICK CONNECTORS

Standard Series - Engine & Coolant

FloMAX standard series engine & coolant connectors are fully compatible and interchangeable with industry standard connectors. The caps, plugs and connectors are all 100% metal, and manufactured using aircraft grade anodised aluminium and stainless steel. The colour-coded and labelled mating components provide for quick positive identification.



PART NO.	DESCRIPTION
53-ENBL #1	Engine nozzle
53-ENBL-P #1	Engine nozzle w/ plug
53-ENBL PLUG #1	Engine nozzle replacement plug



PART NO.	DESCRIPTION
53-ERS #1	Engine receiver
53-ERS-C #1	Engine receiver w/ cap
53-ERS #1 CAP	Engine receiver replacement cap
53-ERS-JIC #1	Engine receiver JIC (m)
53-ERS-C-JIC #1	Engine receiver w/cap JIC (m)



PART NO.	DESCRIPTION
53-CN	Coolant nozzle
53-CN-P	Coolant nozzle w/ plug
53-CN PLUG	Coolant nozzle replacement plug



PART NO.	DESCRIPTION
53-CR	Coolant receiver
53-CR-C	Coolant receiver w/cap
53-CR CAP	Coolant receiver replacement cap
53-CR-JIC	Coolant receiver 3/4" JIC (m)
53-CR-C-JIC	Coolant receiver w/cap 3/4" JIC (m)

Standard Series - Hydraulic & Transmission

FloMAX standard series hydraulic & transmission connectors are fully compatible and interchangeable with industry standard connectors. The caps, plugs and connectors are all 100% metal, and manufactured using aircraft grade anodised aluminium and stainless steel. The colour-coded and labelled mating components provide for quick positive identification.



PART NO.	DESCRIPTION
53-HN	Hydraulic nozzle
53-HN-P	Hydraulic nozzle w/ plug
53-HN PLUG	Hydraulic nozzle replacement plug



PART NO.	DESCRIPTION
53-HR	Hydraulic receiver
53-HR-C	Hydraulic receiver w/cap
53-HR CAP	Hydraulic receiver replacement cap
53-HR-JIC	Hydraulic receiver 3/4" JIC (m)
53-HR-C-JIC	Hydraulic receiver w/cap 3/4" JIC (m)



PART NO.	DESCRIPTION
53-TN	Transmission nozzle
53-TN-P	Transmission nozzle w/ plug
53-TN PLUG	Transmission nozzle replacement plug



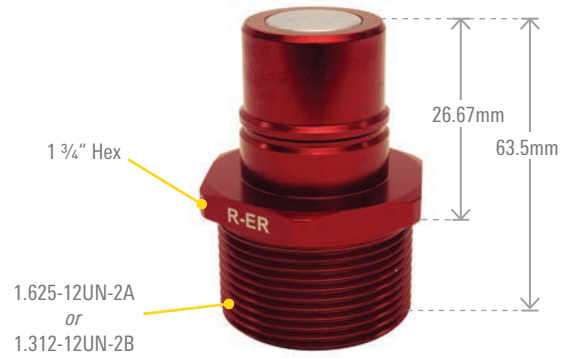
PART NO.	DESCRIPTION
53-TR	Transmission receiver
53-TR-C	Transmission receiver w/cap
53-TR CAP	Transmission receiver replacement cap
53-TR-JIC	Transmission receiver 3/4" JIC (m)
53-TR-C-JIC	Transmission receiver w/cap 3/4" JIC (m)

R- Series – Engine & Coolant

FloMAX R-Series engine & coolant connectors are fully compatible and interchangeable with industry standard R-Series connectors. The caps, plugs and connectors are all 100% metal, and manufactured using aircraft grade anodised aluminium. The colour-coded and labelled mating components provide for quick positive identification.



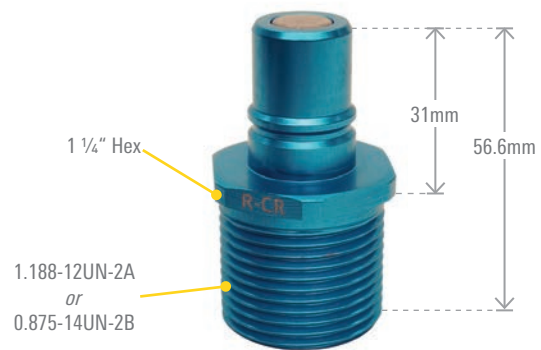
PART NO.	DESCRIPTION
53-R-EN	Engine nozzle
53-R-EN-P	Engine nozzle w/ plug
53-R-EN PLUG	Engine nozzle replacement plug



PART NO.	DESCRIPTION
53-R-ER	Engine receiver
53-R-ER-C	Engine receiver w/ cap
53-R-ER CAP	Engine receiver replacement cap



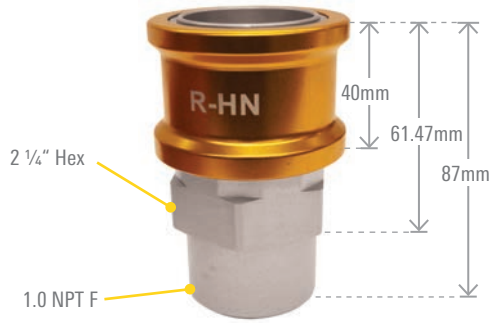
PART NO.	DESCRIPTION
53-R-CN	Coolant nozzle
53-R-CN-P	Coolant nozzle w/ plug
53-R-CN PLUG	Coolant nozzle replacement plug



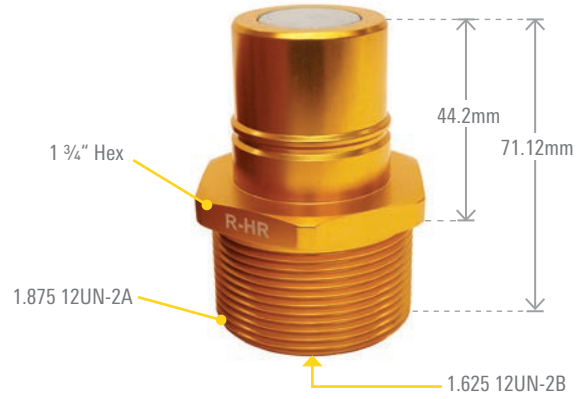
PART NO.	DESCRIPTION
53-R-CR	Coolant receiver
53-R-CR-C	Coolant receiver w/ cap
53-R-CR CAP	Coolant receiver replacement cap

R Series - Hydraulic & Transmission

FloMAX R-Series hydraulic & transmission connectors are fully compatible and interchangeable with industry standard R-Series connectors. The caps, plugs and connectors manufactured using aircraft grade anodised aluminium. The colour-coded and labelled mating components provide for quick positive identification.



PART NO.	DESCRIPTION
53-R-HN	Hydraulic nozzle
53-R-HN-P	Hydraulic nozzle w/ plug
53-R-HN PLUG	Hydraulic nozzle replacement plug



PART NO.	DESCRIPTION
53-R-HR	Hydraulic receiver
53-R-HR-C	Hydraulic receiver w/ cap
53-R-HR CAP	Hydraulic receiver replacement cap



PART NO.	DESCRIPTION
53-R-TN	Transmission nozzle
53-R-TN-P	Transmission nozzle w/ plug
53-R-TN PLUG	Transmission nozzle replacement plug



PART NO.	DESCRIPTION
53-R-TR	Transmission receiver
53-R-TR-C	Transmission receiver w/ cap
53-R-TR CAP	Transmission receiver replacement cap

3/4" Series Connectors - Standard Pressure

FloMAX 3/4" Series Connectors are designed for greater fluid flow and to help prevent cross-contamination

- Each connector is identified by colour and is non-interchangeable with other colour components
- All wear components are made from stainless steel and non-wear components are aircraft grade anodized aluminium
- The stainless steel latching mechanism ensures a long lasting and robust connection every time
- Eliminates cross contamination
- All metal construction ensures longevity
- 190 lpm
- NPT(m) 3/4" thread size
- 500 psi working pressure



ENBL Nozzle




ERS Receiver









ERJ JIC Bulkhead Receiver*

Nozzles

PART NO.	DESCRIPTION	
53-ENBL #1	Nozzle Ball Lock #1 - Red	
53-ENBL-P #1	Nozzle Ball Lock w/ Plug #1 - Red	
53-ENBL #1 Plug	Nozzle Ball Lock Plug #1 - Red	
53-ENBL #2	Nozzle Ball Lock #2 - Gold	
53-ENBL-P #2	Nozzle Ball Lock w/ Plug #2 - Gold	
53-ENBL #2 Plug	Nozzle Ball Lock Plug #2 - Gold	
53-ENBL #3	Nozzle Ball Lock #3 - Teal	
53-ENBL-P #3	Nozzle Ball Lock w/ Plug #3 - Teal	
53-ENBL #3 Plug	Nozzle Ball Lock Plug #3 - Teal	
53-ENBL #4	Nozzle Ball Lock #4 - Violet	
53-ENBL-P #4	Nozzle Ball Lock w/ Plug #4 - Violet	
53-ENBL #4 Plug	Nozzle Ball Lock Plug #4 - Violet	
53-ENBL #5	Nozzle Ball Lock #5 - Navy	
53-ENBL-P #5	Nozzle Ball Lock w/ Plug #5 - Navy	
53-ENBL #5 Plug	Nozzle Ball Lock Plug #5 - Navy	
53-ENBL #6	Nozzle Ball Lock #6 - Copper	
53-ENBL-P #6	Nozzle Ball Lock w/ Plug #6 - Copper	
53-ENBL #6 Plug	Nozzle Ball Lock Plug #6 - Copper	

Receivers

PART NO.	DESCRIPTION	
53-ERS #1	Receiver #1 - Red	
53-ERS-C #1	Receiver w/ Cap #1 - Red	
53-ERS #1 Cap	Receiver Cap #1 - Red	
53-ERS #2	Receiver #2 - Gold	
53-ERS-C #2	Receiver w/ Cap #2 - Gold	
53-ERS #2 Cap	Receiver Cap #2 - Gold	
53-ERS #3	Receiver #3 - Teal	
53-ERS-C #3	Receiver w/ Cap #3 - Teal	
53-ERS #3 Cap	Receiver Cap #3 - Teal	
53-ERS #4	Receiver #4 - Violet	
53-ERS-C #4	Receiver w/ Cap #4 - Violet	
53-ERS #4 Cap	Receiver Cap #4 - Violet	
53-ERS #5	Receiver #5 - Navy	
53-ERS-C #5	Receiver w/ Cap #5 - Navy	
53-ERS #5 Cap	Receiver Cap #5 - Navy	
53-ERS #6	Receiver #6 - Copper	
53-ERS-C #6	Receiver w/ Cap #6 - Copper	
53-ERS #6 Cap	Receiver Cap #6 - Copper	

* Receivers can be ordered with a 3/4" JIC(m) bulkhead connection by replacing ERS with ERJ.

3/4" Series Connectors - High Pressure Stainless Steel

FloMAX 3/4" High Pressure Series Connectors are designed with stainless steel internals for higher pressure transfer applications. Features are the same as the 3/4" standard series couplers.













- Stainless steel internals and anodized aluminium pullback.
- 190 lpm
- NPT(m) 3/4" Thread Size
- 1500 psi Working Pressure















EN-SS Nozzle

ER-SS Receiver

Nozzles - HP

PART NO.	DESCRIPTION	
53-EN-SS #1	Nozzle Ball Lock #1 - Red	
53-EN-SS-P #1	Nozzle Ball Lock Plug #1 - Red	
53-EN-SS #2	Nozzle Ball Lock #2 - Gold	
53-EN-SS-P #2	Nozzle Ball Lock Plug #2 - Gold	
53-EN-SS #3	Nozzle Ball Lock #3 - Teal	
53-EN-SS-P #3	Nozzle Ball Lock Plug #3 - Teal	
53-EN-SS #4	Nozzle Ball Lock #4 - Violet	
53-EN-SS-P #4	Nozzle Ball Lock Plug #4 - Violet	
53-EN-SS #5	Nozzle Ball Lock #5 - Navy	
53-EN-SS-P #5	Nozzle Ball Lock Plug #5 - Navy	
53-EN-SS #6	Nozzle Ball Lock #6 - Copper	
53-EN-SS-P #6	Nozzle Ball Lock Plug #6 - Copper	

Receivers - HP

PART NO.	DESCRIPTION	
53-ER-SS #1	Receiver H.P. #1 - Red	
53-ER-SS-C #1	Receiver H.P. w/ Cap #1 - Red	
53-ER-SS #2	Receiver H.P. #2 - Gold	
53-ER-SS-C #2	Receiver H.P. w/ Cap #2 - Gold	
53-ER-SS #3	Receiver H.P. #3 - Teal	
53-ER-SS-C #3	Receiver H.P. w/ Cap #3 - Teal	
53-ER-SS #4	Receiver H.P. #4 - Violet	
53-ER-SS-C #4	Receiver H.P. w/ Cap #4 - Violet	
53-ER-SS #5	Receiver H.P. #5 - Navy	
53-ER-SS-C #5	Receiver H.P. w/ Cap #5 - Navy	
53-ER-SS #6	Receiver H.P. #6 - Copper	
53-ER-SS-C #6	Receiver H.P. w/ Cap #6 - Copper	

3/4" Series Connectors - Evacuation Tool

FloMAX 3/4" Series Connectors use a universal evacuation tool. This tool works like the master key and can latch onto to any of the receivers as long as it is part of the 3/4" series.

PART NUMBER	DESCRIPTION
53-UN34	Universal 3/4" series draining nozzle
53-UN34-P	Universal 3/4" series draining nozzle w/ plug
53-UN34-PLUG	Replacement plug

Compatible with ERS, ER-SS and ERJ 3/4" receivers



High Flow 1" Connectors

FloMAX High Flow Connectors are designed for greater fluid flow and to prevent cross-contamination.

- Each connector is identified by colour and is non-interchangeable with other colour components.
- All wear components are made from 416 stainless steel and non-wear components are aircraft grade anodized aluminium
- The stainless steel latching mechanism ensures a long lasting and robust connection every time.
- Eliminates cross contamination.
- All metal construction ensures longevity.
- Maximum flow rate 427 lpm (ISO 46 hydraulic oil)
- 1" NPT(m) receiver, 1" NPT(f) nozzles
- 500 psi working pressure, 1500 psi burst pressure










High Flow Nozzle








High Flow Receiver

	LENGTH	DIAMETER	HEX SIZE	WEIGHT
Nozzle	100mm	64mm	64mm	640g
Receiver	86mm	47mm	64mm	320g
Nozzle & Receiver coupled	136mm			

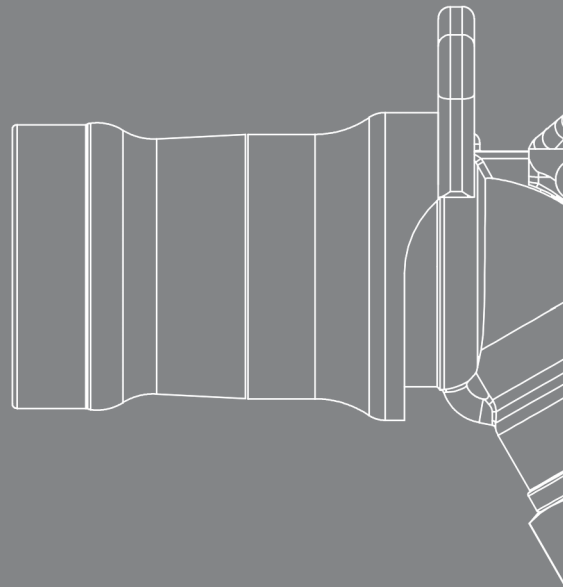
Nozzles

PART NO.	DESCRIPTION	
53-HFN #1	Nozzle ball lock #1 - Red	
53-HFN-P #1	Nozzle ball lock w/ Plug #1 - Red	
53-HFN #1 Plug	Nozzle ball lock Plug #1 - Red	
53-HFN #2	Nozzle ball lock #2 - Gold	
53-HFN-P #2	Nozzle ball lock w/ Plug #2 - Gold	
53-HFN #2 Plug	Nozzle ball lock plug #2 - Gold	
53-HFN #3	Nozzle ball lock #3 - Teal	
53-HFN-P #3	Nozzle ball lock w/ Plug #3 - Teal	
53-HFN #3 Plug	Nozzle ball lock plug #3 - Teal	
53-HFN #4	Nozzle ball lock #4 - Violet	
53-HFN-P #4	Nozzle ball lock w/ Plug #4 - Violet	
53-HFN #4 Plug	Nozzle ball lock Plug #4 - Violet	
53-HFN #5	Nozzle ball lock #5 - Navy	
53-HFN-P #5	Nozzle ball lock w/plug #5 - Navy	
53-HFN #5 Plug	Nozzle ball lock plug #5 - Navy	
53-HFN #6	Nozzle ball lock #6 - Copper	
53-HFN-P #6	Nozzle ball lock w/ Plug #6 - Copper	
53-HFN #6 Plug	Nozzle ball lock plug #6 - Copper	
53-HFN #7	Nozzle ball lock #7 - Blue/Grey	
53-HFN-P #7	Nozzle ball lock w/plug #7 - Blue/Grey	
53-HFN #7 Plug	Nozzle ball lock plug #7 - Blue/Grey	

Receivers

PART NO.	DESCRIPTION	
53-HFR #1	Receiver #1 - Red	
53-HFR-C #1	Receiver w/cap #1 - Red	
53-HFR #1 Cap	Receiver cap #1 - Red	
53-HFR #2	Receiver #2 - Gold	
53-HFR-C #2	Receiver w/cap #2 - Gold	
53-HFR #2 Cap	Receiver cap #2 - Gold	
53-HFR #3	Receiver #3 - Teal	
53-HFR-C #3	Receiver w/cap #3 - Teal	
53-HFR #3 Cap	Receiver cap #3 - Teal	
53-HFR #4	Receiver #4 - Violet	
53-HFR-C #4	Receiver w/cap #4 - Violet	
53-HFR #4 Cap	Receiver cap #4 - Violet	
53-HFR #5	Receiver #5 - Navy	
53-HFR-C #5	Receiver w/cap #5 - Navy	
53-HFR #5 Cap	Receiver cap #5 - Navy	
53-HFR #6	Receiver #6 - Copper	
53-HFR-C #6	Receiver w/cap #6 - Copper	
53-HFR #6 Cap	Receiver cap #6 - Copper	
53-HFR #7	Receiver #7 - Blue/Grey	
53-HFR-C #7	Receiver w/cap #7 - Blue/Grey	
53-HFR #7 Cap	Receiver cap #7 - Blue/Grey	

FLOMAX
FUEL NOZZLES
& RECEIVERS





DIESEL NOZZLES - STANDARD

FNBL Nozzle

The FNBL has excellent performance and reliability in harsh conditions. The pullback assembly is removable without tools, making it the easy to clean and allowing it to be maintained and repaired in the field. The FNBL latches with 10 stainless steel balls making it very simple to use and forgiving.

FloMAX Fuel Nozzles connect to all standard fuel receivers. The plug is specially designed to seal out dirt and contaminants which is made from PVC and a 1/4" wire lanyard. A removable piston assembly allows the cylinder to be easily removed for rebuilding.

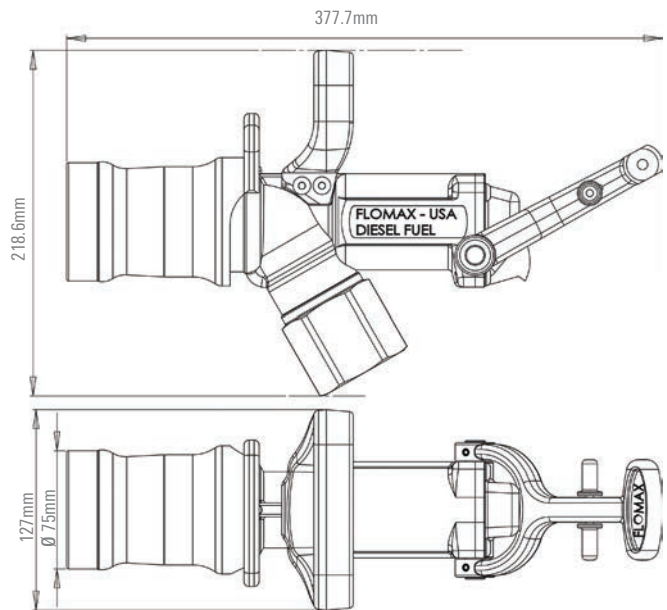
- Smallest and lightest diesel nozzle in the industry at 2.7kg
- Highest maximum flow rate of any 1 1/2 inch diesel fuel nozzle
- All the FloMAX nozzles endure a 11,360 L (3,000 gal.) test prior to shipment to ensure function and no leakage
- All metal construction with stainless steel nose



1 1/2" Fuel Nozzle w/ Ball Lock Nose
Available with Sealing Plug or Swivel

Minimum Flow Rate	151 lpm
Maximum Flow Rate	682 lpm (180 gpm)
Working Pressure	860 kPa (125 psi)
Burst Pressure	1,724 kPa (250 psi)
Nozzle Weight	2.7kg (5 lbs 14oz) (without swivel)
Nozzle Swivel Thread	1 1/2" NPT F

PART NO.	DESCRIPTION
53-FNBL-NS	Nozzle without plug
53-FNBL-P-NS	Nozzle with plug
53-FNBL PLUG	Nozzle - plug
53-FNBL-P-NS-HVY	Nozzle with plug (no swivel), 13 psi shut-off
53-FNBL-EX-P	Nozzle with plug and extended nose



Standard shut-off set at 55 kPa (8.0 psi); FloMAX nozzles can be set from 40 kPa (5.5 psi) shut-off to 90 kPa (13.00 psi) shut-off as required.

Non-interchange Nozzle

The non-interchangeable nozzle and associated receiver is designed to not connect to industry standard fuel receivers and therefore be unique for certain installation requirements. To be used in conjunction with the non-interchangeable fuel receiver.

PART NO.	DESCRIPTION
53-FNBL-NI-P-S	Non-interchange nozzle with swivel and plug
53-FRA-NI-C	Non-interchange fuel receiver
53-FNBLS	Replacement swivel, 1 1/2" nozzle thread x 1 1/2" NPT F



Non-Interchange Nozzle

FN600 Nozzle

The FN600 provides the well-known Dog Lock mechanism with 12 stainless steel dogs. It works great in maintenance facilities and other less harsh environments as it securely latches with a “snap” when correctly connected to a receiver.

FloMAX Fuel Nozzles connect to all standard fuel receivers. The plug is specially designed to seal out dirt and contaminants which is made from PVC and a ¼” wire lanyard. A removable piston assembly allows the cylinder to be easily removed for rebuilding.

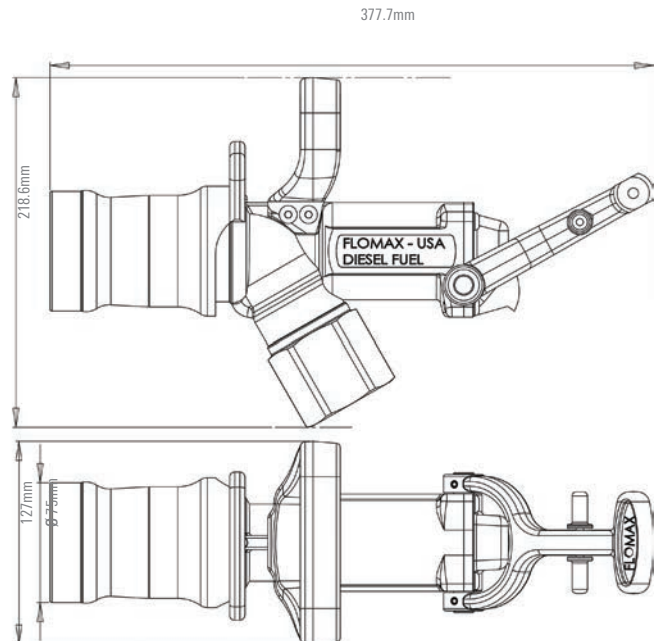
- Smallest and lightest diesel nozzle in the industry at 2.7kg
- Highest maximum flow rate of any 1 ½ inch diesel fuel nozzle
- All the FloMAX nozzles endure a 11,360L (3,000 gal) test prior to shipment to ensure function and no leakage
- All metal construction with stainless steel nose



1 ½” Fuel Nozzle w/ Dog Lock Nose
Available with Sealing Plug or Swivel

Minimum Flow Rate	151 lpm
Maximum Flow Rate	682 lpm (180 gpm)
Working Pressure	860 kPa (125 psi)
Burst Pressure	1,724 kPa (250 psi)
Nozzle Weight	2.7kg (5 lbs 14oz) (without swivel)
Nozzle Swivel Thread	1 ½” NPT F

PART NO.	DESCRIPTION
53-FN600-NS	Nozzle without plug
53-FN600-P-NS	Nozzle with plug
53-FN600 PLUG	Nozzle plug
53-FNS	Swivel, 1½” NPTM x 1½” NPTF
53-FNBL-EX-P	Nozzle with plug and extended nose



Standard shutoff set at 55 kPa (8.0 psi); FloMAX nozzles can be set from 40 kPa (5.5 psi) shutoff to 90 kPa (13.00 psi) shut-off as required.

DIESEL NOZZLES - STANDARD WITH 2" INLET

FN800 Nozzle

FloMAX FN800 fuel nozzles use patented modular back pressure sensor for reliable and repeatable shut-off results at all flows, every time.

It is the highest flowing 1 1/2" fuel nozzle in the industry with a 211+ GPM (800 lpm+) rating with a 2" inlet hose and swivel. It is easily cleaned and serviced in the field with it's easy to remove pullback assembly.

Factory adjustable shut-off pressure. Will not flow when not connected to a receiver.

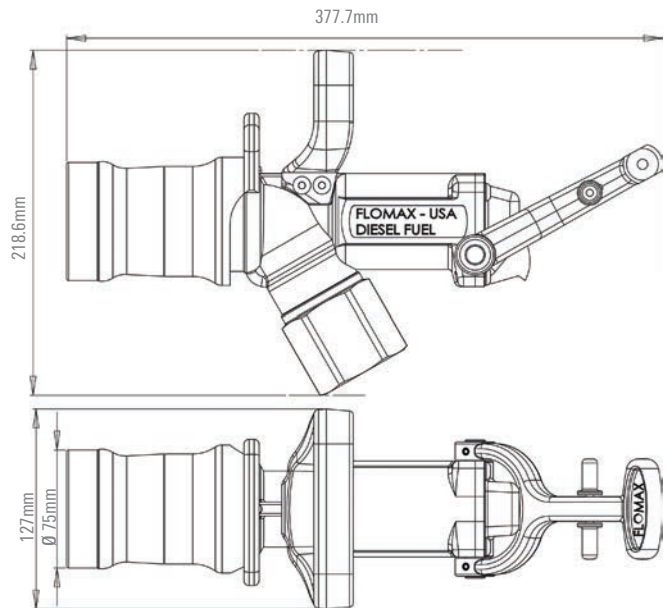
- High flow 1 1/2" nozzle with +800 lpm maximum flow rate
- All metal construction with stainless steel nose
- Simple upgrade from the standard FNBL or FN600 nozzle
- Used with standard fuel receivers



1 1/2" Diesel Nozzle - FN800 2" INLET

Minimum Flow Rate	151 lpm
Maximum Flow Rate	800 lpm (211 gpm)
Working Pressure	860 kPa (125 psi)
Burst Pressure	1724 kPa (250 psi)
Nozzle Weight	3.2 kg (7 lbs)
Nozzle Swivel Thread	2" NPT F

PART NO.	DESCRIPTION
53-FN800-P	Fuel nozzle, 2" with plug and 2" swivel
53-FN800-PLUG	Protective plug to suit FN800 nozzle
53-FNBLS2	Swivel



DIESEL NOZZLES - FX SERIES HIGH FLOW

FX1500* Diesel Fuel Nozzle

The FX1500 is a high flow nozzle capable of reaching 1,500 lpm. Consisting of patented back pressure mechanism similar to the industry leading FNBL nozzle, the FX1500 is designed to work in conjunction with the 2" FRX Receiver.

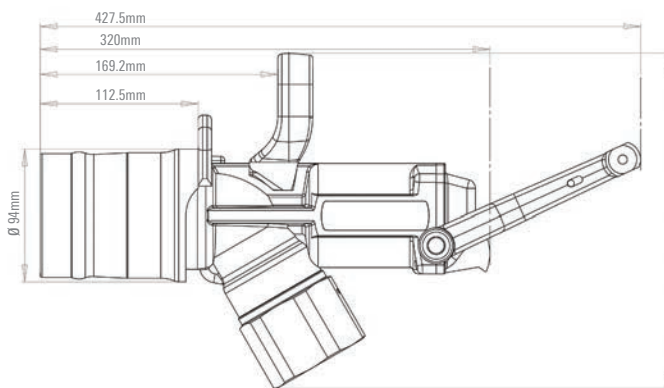
- Industry leading 1500 lpm max flow rate
- 10 Stainless Steel ball bearings for latch
- Strong and robust body
- All the FloMAX nozzles endure a 11,360L (3,000 gal) test prior to shipment to ensure function and no leakage



2" Fuel Nozzle w/ Ball Lock Nose
Available with Sealing Plug or Swivel

Maximum Flow Rate	1,514 lpm (396 gpm)
Working Pressure	860 kPa (125 psi)
Burst Pressure	1,724 kPa (250 psi)
Nozzle Weight	4.1kg (9lb)
Nozzle Swivel Thread	2" NPT F
Standard Shut-off	8.0 psi

PART NO.	DESCRIPTION
53-FX1500-P	Nozzle with plug
53-FX1500 PLUG	Nozzle plug



FRX High Flow Fuel Receiver

The FRX fuel receiver must be used with the FX1500. The FRX receiver has a special removable sleeve so that the receiver may stay in place and can be replaced when ever it is worn.

PART NO.	DESCRIPTION
53-FRX-C	2" High flow receiver w/ cap
53-FRX	2" High flow receiver, no cap
53-FR2-R	2" Replacement sleeve for receiver
53-FRX Cap	2" Replacement cap



53-FX1500



53-SW2

FloMAX provides a 2" NPT M x 2" NPT F swivel which uses a stainless steel male threaded base and a hard/anodized 2" female NPT nut. The swivels are sealed with two fluorosilicate O-Rings for superior performance even in extreme temperature conditions. The nut and base swivel on 46 stainless steel ball bearings for smooth and consistent movement across all pressure ranges.

*Please refer to page 34 for compatible swivels

DIESEL FUEL RECEIVERS

Standard Diesel Fuel Receivers

FloMAX Fuel Receivers are designed with a patented enclosed poppet stem spring that provides a smooth fuel flow path. This extends both the life of the receiver and the fuel nozzle.

The spring is completely enclosed inside the poppet, removing the spring from the flow path, which increases fuel flow and reduces back pressure and vibration. All 1 1/2" FloMAX fuel receivers are compatible with industry standard fuel nozzles.

PART NO.	DESCRIPTION
53-FRA-C	Anodised aluminium w/ cap
53-FRS-C	Zinc plated steel w/ cap
53-FRS-61-C	Stainless steel receiver Code 61 flange with fuel cap (clamping flanges and bolts not included)
53-FRS-61	Stainless steel receiver Code 61 flange (clamping flanges and bolts not included)
53-FRA-LP-C	Anodised aluminium - Low pressure (for non-pressure systems) with cap
53-FRS-LP-C	Zinc plated steel - Low pressure (for non-pressure systems) with cap
53-FR CAP	Replacement aluminium cap with lanyard



53-FRA-C
Anodised Aircraft Grade Aluminium

Stainless Steel Receiver



Stainless Steel Code 61 Receiver



Stainless Steel Receiver
(Internal view)

Removable Sleeve Diesel Fuel Receivers

The FR-RS removable sleeve fuel receiver has an aircraft grade anodized aluminium body with a removable stainless steel wear sleeve.

This revolutionary patented concept allows the fuel receiver wear surfaces to be replaced without removing the fuel receiver from the tank or the loss of any fuel.

The single poppet design has the same reduced back pressure, reduced vibration, and increased flow rate as the FRA, FRS and FR-LP receivers.



53-FR-RS-C

PART NO.	DESCRIPTION
53-FR-RS-C	Aluminium receiver & removable sleeve with cap
53-FR-RS-R	Replacement sleeve for 1 1/2" receivers (can also be ordered for non-pressure systems)
53-FR CAP	Replacement aluminium cap with lanyard



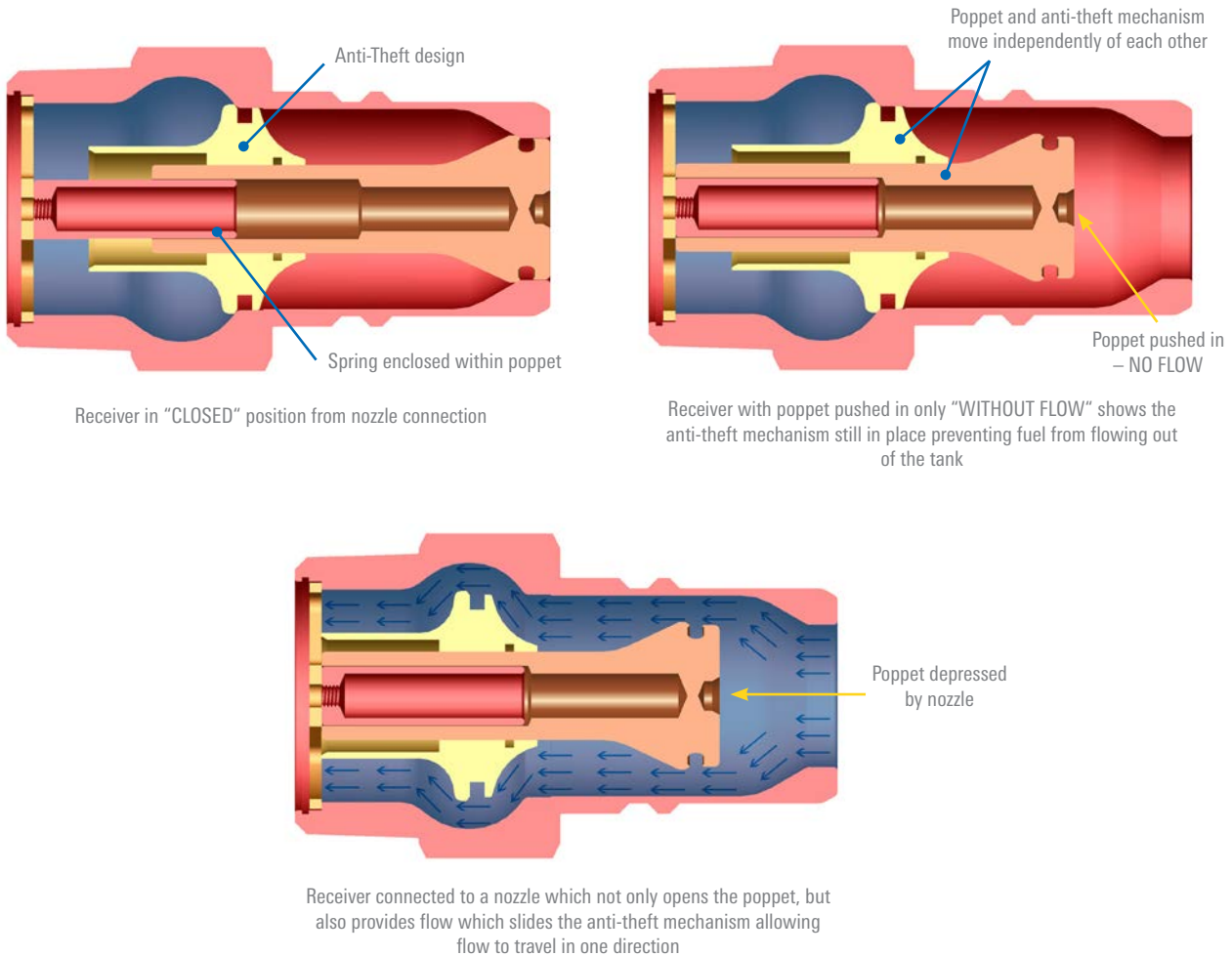
53-FR-RS-R
(Removable Sleeve)



Sleeve Removed

Anti-theft, Removable Sleeve Diesel Fuel Receivers

FloMAX has simplified the solution for fuel theft. The innovative design allows maximum flow with minimum back pressure. The new design allows the removable sleeve to disconnect separately from the whole receiver providing savings on maintenance cost as well as enhanced security.



Receiver Part Numbers*

All Receivers Height: 117mm (4.6")

All Receiver Hex: 2.5"

PART NO.	DESCRIPTION
53-FRA-AT-C	Aluminium anti-theft receiver with cap
53-FR-RS-AT-C	Anti-theft receiver with removable sleeve and cap
53-FR CAP	Replacement aluminium receiver cap with lanyard

*Note: To order receivers without cap drop "-C" from product code.



53-FR-AT-C
w/ Anti-theft Receiver

OTHER NOZZLES & RECEIVERS

Bulk Transfer Nozzle

The FloMAX Bulk Fuel Nozzle will transfer large volumes of fuel at high flow rates using existing standard 1 ½ inch fuel receivers. The BFN has a push-to-connect design that releases from the receiver with a gentle pull on the pullback or poly coated stainless steel lanyard. This is a dry break nozzle that uses the FloMAX fuel nozzle vulcanized Viton seal valve sleeve.

PART NO.	DESCRIPTION
53-BFN-P	Bulk fuel nozzle w/plug
53-BFN	Bulk fuel nozzle only
53-BFN PLUG	Bulk fuel nozzle - plug only

Operating Pressure	2,070 kPa (300 psi)
Burst Pressure	4,310 kPa (625 psi)



53-BFN-P



53-BFN-P

Emco-Whaton Fuel Receiver

The FR-NP-EW from FloMAX is a fuel receiver designed to couple with EMCO-Wheaton® fuel nozzles which use the twist and lock mechanism, commonly used in the stevedoring industry. The receiver contains an internal shut off valve and is designed to be used in conjunction with FloMAX internal non-pressure systems.

PART NO.	DESCRIPTION
53-FR-NP-EW	Emco-Wheaton Fuel receiver/valve, internal non pressure systems



Emco-Wheaton Fuel Receiver
53-FR-NP-EW

3" FUEL NOZZLE & RECEIVER

The FloMAX 3 inch nozzles and receivers are designed for high flow volume and ease of use. They are a scaled down version of the standard 5 inch API specification.

Poppets have a vulcanized Viton seal. Both the nozzle and receivers are machined from aircraft grade anodized aluminium and stainless steel. Receivers are available with 4 base styles.

Nozzle latching mechanism uses 6 stainless steel dogs for a secure and positive connection and the locking handle keeps the nozzle from accidentally being disconnected during fuelling.

The connectors have an excellent flow rate up to 4542 lpm (1200 gpm) at 100 psi.



53-FN3
Fuel Nozzle w/ Dog Lock Mechanism



53-FR3-4NPT
3" Fuel Receiver w/ 4" NPT Base



53-FR3-F
3" Fuel Receiver w/ 8 Bolt Pattern
(TTMA Flange Base)

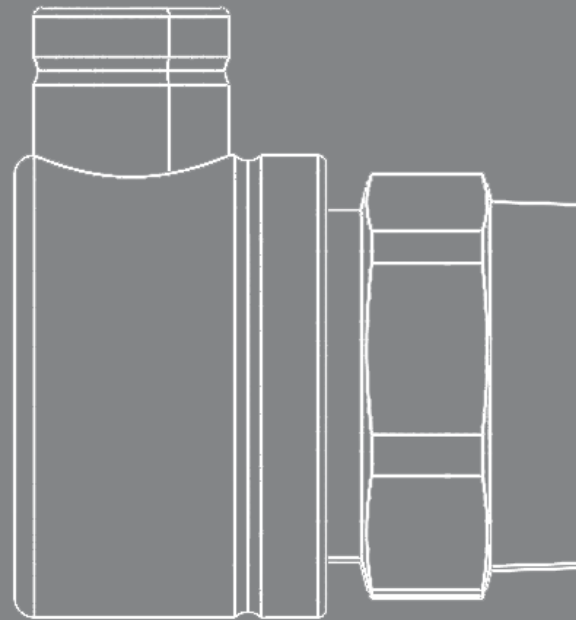


53-FR3
3" Receiver w/ 3" NPTM Base

Max Flow Rate	4542.50 lpm
Working Pressure	8.3 bar (120 psi)

PART NO.	DESCRIPTION
53-FN3	3" High flow fuel nozzle
53-FR3	3" High flow receiver with 3" NPT base
53-FR3-F	3" Fuel receiver with flange base (8 bolt pattern)
53-FR3-4NPT	3" Fuel receiver with 4" NPT base
53-FR3-NP	3" Fuel receiver w/ non-pressure valve 4" NPT threads
53-FR3-NP-4NPT	3" Non-pressure valve with 4" NPT front end
53-FR3-NP-3NPT	3" Non-pressure valve with 3" NPT front end

FLOMAX
PRESSURISED
FUEL VENTS





PRESSURED SYSTEM FUEL VENTS

Standard Fuel Vents

FloMAX Fuel Vents are manufactured using 100% metal components. A billet aircraft grade anodized aluminium cap provides superior impact strength as opposed to the less expensive and weaker plastic and cast aluminium caps on other vents. The float and sealing balls are housed in a rigid ball tube, not the flexible and easily damaged ball spring. This will ensure a positive seal that will not be damaged by vibration and movement. FloMAX vents are available in all standard configurations including male or female threaded outlets, anti-vandalism mount, and half couplings. Stem tubes are available in standard 5", 7", 9", 11" and custom specified lengths.

- For use with standard nozzles (FNBL, FN600 & FN800)
- 2" NPT

PART NO.	DESCRIPTION
53-VT	Fuel vent - Standard (5" stem)
53-VT-7	Fuel vent - Ext stem (7" stem)
53-VT-9	Fuel vent - Ext stem (9" stem)
53-VT-11	Fuel vent - Ext stem (11" stem)
53-VT-C	Fuel vent - w/Half coupling (5" stem)
53-VT-C-7	Fuel vent - w/Half coupling (7" stem)
53-VT-C-9	Fuel vent - w/Half coupling (9" stem)
53-VT-C-11	Fuel vent - w/Half coupling (11" stem)
53-VT-A	Fuel vent with anti-vandalism Mount
53-VT-A-S	Fuel vent - Anti vandalism Sleeve only
53-VT-A-7	Fuel vent - Anti vandalism (7" stem)
53-VT-A-9	Fuel vent - Anti vandalism (9" stem)
53-VT-A-11	Fuel vent - Anti vandalism (11" stem)
53-VT-T	Fuel vent - M threaded outlet (5" stem)
53-VT-T-7	Fuel vent - M threaded outlet (7" stem)
53-VT-T-9	Fuel vent - M threaded outlet (9" stem)
VT-T-11	Fuel vent - M threaded outlet (11" stem)

PART NO.	DESCRIPTION
53-VT-TF	Fuel vent - F threaded outlet (5" stem)
53-VT-TF-7	Fuel vent - F threaded outlet (7" stem)
53-VT-TF-9	Fuel vent - F threaded outlet (9" stem)
53-VT-TF-11	Fuel vent - F threaded outlet (11" stem)
53-VTF	Fuel vent with filter - Standard (5" stem)
53-VTF-7	Fuel vent with filter - Standard (7" stem)
53-VTF-9	Fuel vent with filter - Standard (9" stem)
53-VTF-11	Fuel vent with filter - Standard (11" stem)
53-VTF-T	Fuel vent with filter - M threaded outlet (5" stem)
53-VTF-T-7	Fuel vent with filter - M threaded outlet (7" stem)
53-VTF-T-9	Fuel vent with filter - M threaded outlet (9" stem)
53-VTF-T-11	Fuel vent with filter - M threaded outlet (11" stem)
53-VTF-TF	Fuel vent with filter - F threaded outlet (5" stem)
53-VTF-TF-7	Fuel vent with filter - F threaded outlet (7" stem)
53-VTF-TF-9	Fuel vent with filter - F threaded outlet (9" stem)
53-VTF-TF-11	Fuel vent with filter - F threaded outlet (11" stem)



53-VT
Standard Fuel Vent - 5" Stem



53-VT-T
Fuel Vent with Male
Threaded Outlet - 5" Stem



53-VT-C
Fuel Vent with
Half Coupling - 5" Stem



53-VT-A
Fuel Vent with
Anti-Vandalism Mount

High Flow Vents

These high flow vents are designed to work in conjunction with the FX1500 2" nozzle and is capable of handling up to 1,500 lpm. All vents are available with standard 5", 7", 9", and 11" stem tube, see below options.

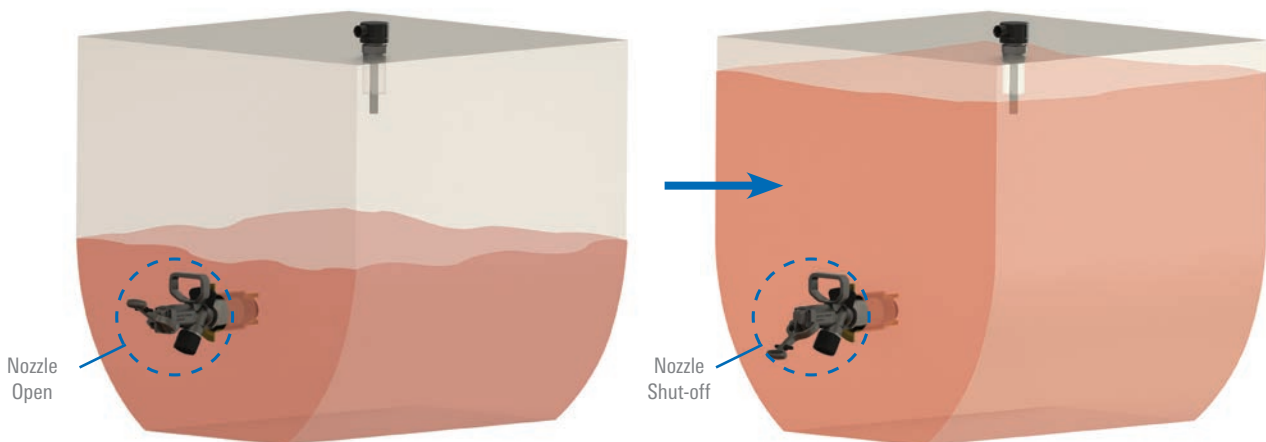
PART NO.	DESCRIPTION
53-VTX	High flow vent - Standard (5" stem)
53-VTX-7	High flow vent - Ext stem (7" stem)
53-VTX-9	High flow vent - Ext stem (9" stem)
53-VTX-11	High flow vent - Ext stem (11" stem)
53-VTX-C	High flow vent - w/Half coupling (5" stem)
53-VTX-C-7	High flow vent - w/Half coupling (7" stem)
53-VTX-C-9	High flow vent - w/Half coupling (9" stem)
53-VTX-C-11	High flow vent - w/Half coupling (11" stem)
53-VTX-A-S	High flow vent - Anti-vandalism Sleeve only
53-VTX-A-7	High flow vent - Anti-vandalism (7" stem)
53-VTX-A-9	High flow vent - Anti-vandalism (9" stem)
53-VTX-A-11	High flow vent - Anti-vandalism (11" stem)
53-VTX-F-RT-5	High flow vent - Filter capable rotatable top (5" stem)
53-VTX-F-RT-7	High flow vent - Filter capable rotatable top (7" stem)
53-VTX-F-RT-9	High flow vent - Filter capable rotatable top (9" stem)



53-VTX
High Flow Fuel Vent
Standard 5" Stem

Pressurised System

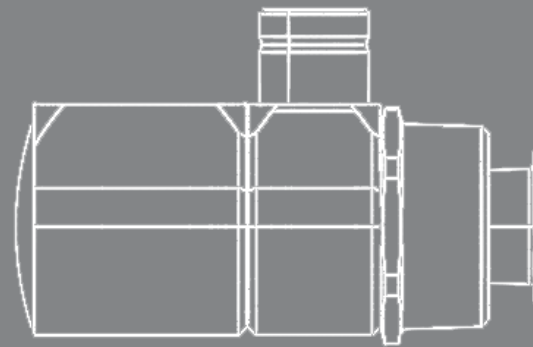
Below is an example of a typical pressurised system.



Above image shows tank being filled

Fuel nozzle shuts-off as fuel has reached the base of the fuel vent actuating pressure and shutting-off the nozzle

FLOMAX
NON-PRESSURE
SYSTEMS





NON-PRESSURED SYSTEMS

Top Fill Units

New to FloMAX are the Top Fill Units which are an all in one non-pressure re-fuelling system designed to eliminate the need to pressurise the fuel tanks or use splash filling techniques. The compact design allows filling and venting to take place from the same single tank opening.

- Greatly increases safety and lessens hazardous spilling of fuel
- Patented design
- Available in both straight and 90° configuration
- Designed to accommodate remote receiver mounting
- Allow filling and venting from the same single tank opening
- 265 lpm maximum flow rate
- Fits 2" NPT male process connections

PART NO.	DESCRIPTION
53-TF-FR-K	Top Fill Unit - straight with receiver
53-TF-RT-K	Top Fill Unit with rotating top, with receiver
53-TF-FR	Top Fill Unit - straight w/o receiver
53-TF-RT	Top Fill Unit with rotating top, w/o receiver
53-TFR-C	HFR fuel receiver for 53-TF-FR & 53-TF-RT
53-HFN-P#1-G	Top Fill fuel nozzle

Minimum Flow Rate	19 lpm (5 gpm)
Maximum Flow Rate	265 lpm (70 gpm)
Vent Length	12.3"
Tank Entry Process Connection	2" NPT Male
Compatible Fuel Nozzle	53-HFN-P#1-G
Fuel Nozzle process connection	1" NPT Female
Fuel Receiver process connection	1 1/2" NPT Male



Top Fill Unit
53-TF-FR-K



Top Fill Unit
53-TF-RT-K

Internal & External Key Components

Safety in workplaces has always been paramount but pressurised re-fuelling systems can jeopardise this. The answer to being safe yet efficient and affordable is Non-Pressure System (NPS) from FloMAX. Each Non-Pressure System follows a similar recipe of components required to ensure a safe and reliable solution for each application. These systems are available in external or internal setup and are tested prior to leaving the factory to ensure they work flawlessly every time, time after time.

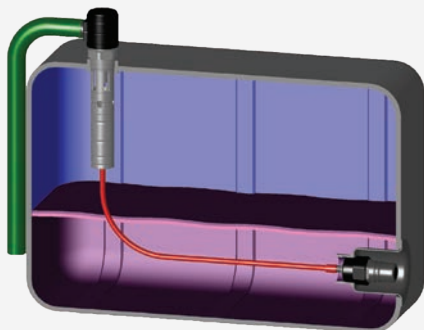
Internal system key components

Non-Pressure Valve/Receiver

Available as a single one-piece item consisting of a valve and fuel receiver, or separately for unique installations. These items are designed and manufactured in-house by FloMAX using their patented designs and high quality all metal-componetry.

Non-Pressure Fuel Vent

Every re-fuelling system contains a vent, but with FloMAX Non-Pressure Systems, when the diesel fuel level reaches the vent and cut-off point, it sends opposing pressure down the signal line to the valve/receiver and shuts off the nozzle.



Internal Non Pressure System

External system key components

Non-Pressure Valve

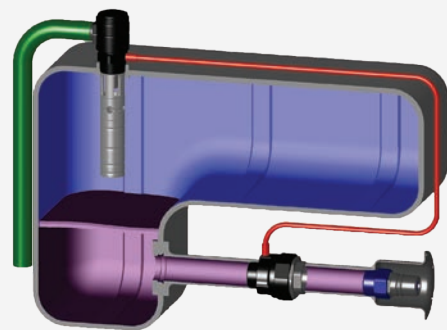
The NPV follows the same rigorous testing and workmanship quality as the rest of the FloMAX Range and can accept most industry standard fuel receivers with a 2" NPTM thread, along with the 1.5" receiver (53-FRS-LP-C). It has the capability of being installed in any orientation and location consisting of 3x signal line ports.

Non-Pressure Fuel Vent

The use of FloMAX non-pressure external fuel vent provides efficient fuel shut-off process whilst still ensuring air evacuates effectively. When the diesel fuel level reaches the cut-off point within the vent, it sends opposing pressure down the signal line to the valve/receiver and shuts off the fuel nozzle.

Low Pressure Fuel Receiver

Every external system requires a fuel receiver that is to be either mated to the valve or installed in an ergonomic location for operators. The Receiver can be supplied with different permutations depending on the application requirements.



External Non Pressure System

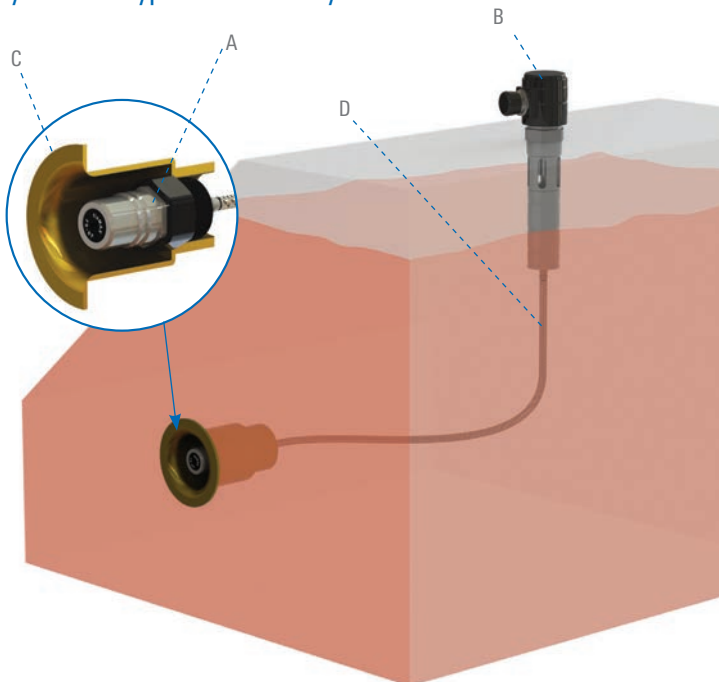
The difference between the internal and external non-pressure systems is the placement of the signal line (either inside the fuel tank or outside).

Flomax Non-Pressure System Kits

KIT PART NUMBER	DESCRIPTION	CONTENTS
53-NPS-1-NH	Standard non-pressure kit for external systems. Includes 5" vent, valve and low pressure receiver with cap.	53-NPV 53-FRS-LP-C 53-VT-NP-E
53-NPS-2-NH	Standard non-pressure kit for internal systems. Includes 5" vent, valve/receiver combo with cap.	53-VT-NP-I 53-FR-NP-C
53-NPS-3-NH	Non-pressure kit for internal systems with remote filling capabilities. Includes 5" vent, valve and low pressure receiver with cap.	53-VT-NP-I 53-NPV-I 53-FRS-LP-C
53-NPS-4-SS-NH	Stainless steel external non-pressure kit for mine sites. includes stainless steel components; 5" vent, valve and low pressure receiver with cap.	53-VT-NP-E-SS 53-NPV-SS 53-FRS-LP-C
53-NPS-5-NH	Non pressure kit for external systems - for tight installations or low profile fuel tanks	53-VT-NP-AS 53-NPV 53-NP-SU 53-FRS-LP-C

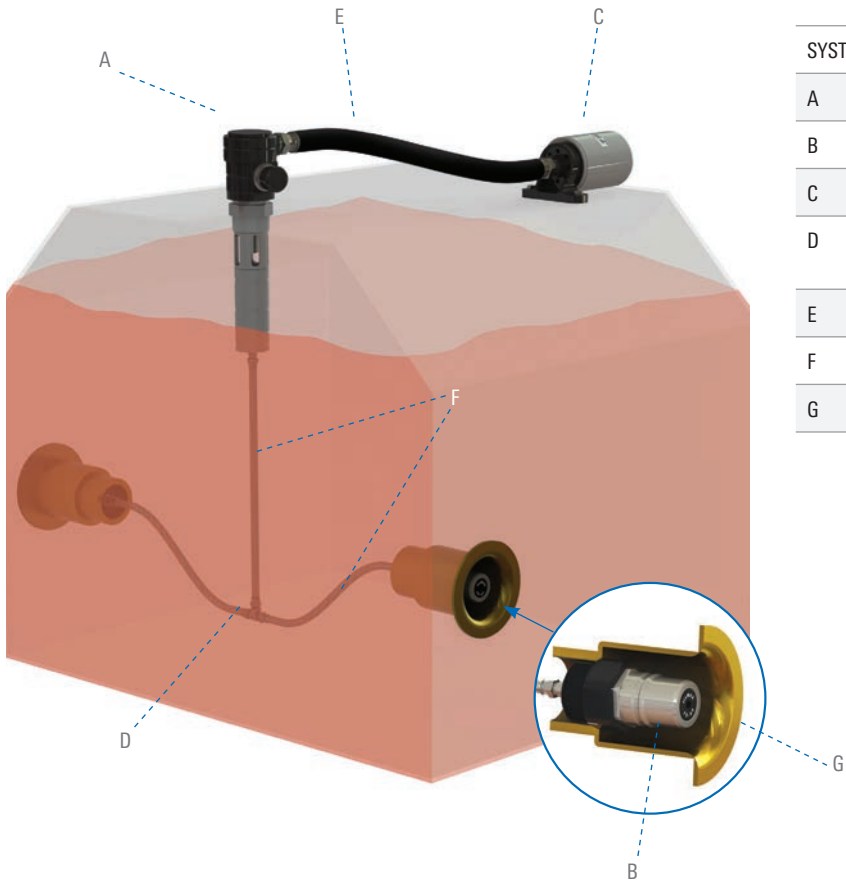
EXAMPLES OF NON-PRESSURE SYSTEMS

System 1 - Typical Internal System



SYSTEM 1 BREAKDOWN	
A+B	53-NPS-2-NH (Includes internal fuel vent and fuel receiver valve)
ACCESSORIES	
C	Bell housing
D	Stainless steel braided signal hose

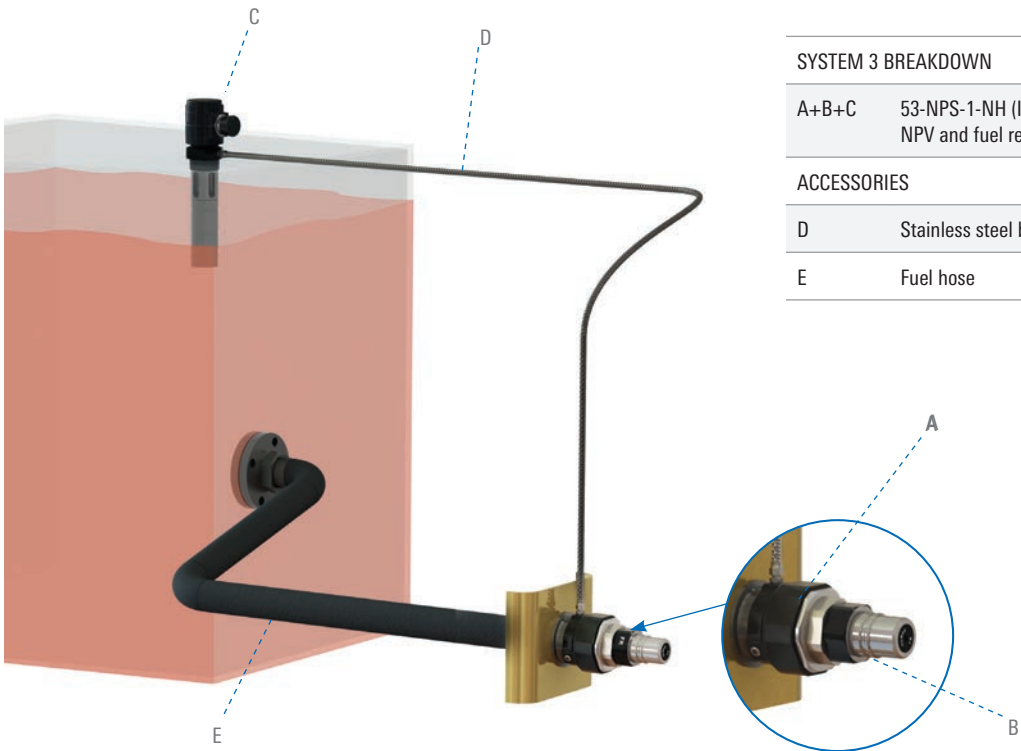
System 2 - Custom Internal System with Filter Kit and 2 Refill Points



SYSTEM 2 BREAKDOWN

A	53-VT-NP-F-I
B	53-FR-NP-C (x2)
C	53-NPS filter kit
D	3/4" JIC M T-Section (not supplied by JSG Industrial)
E	3/4" Hose
F	Stainless steel braided hose
G	53-BH-W (x2)

System 3 - Typical External System with Remote Fill Point



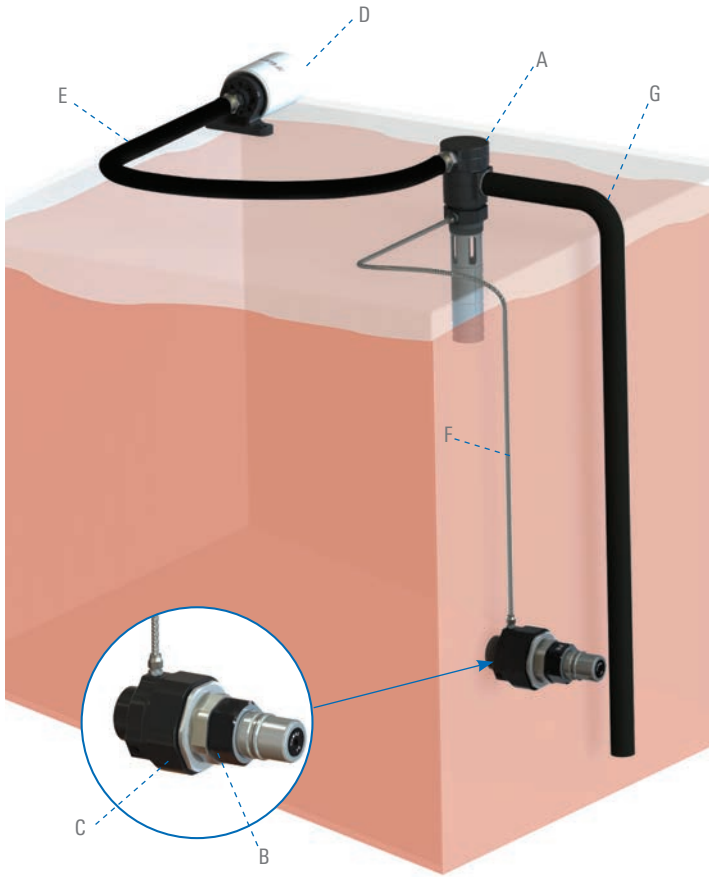
SYSTEM 3 BREAKDOWN

A+B+C	53-NPS-1-NH (Includes external fuel vent, NPV and fuel receiver)
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ACCESSORIES

D	Stainless steel braided signal hose
E	Fuel hose

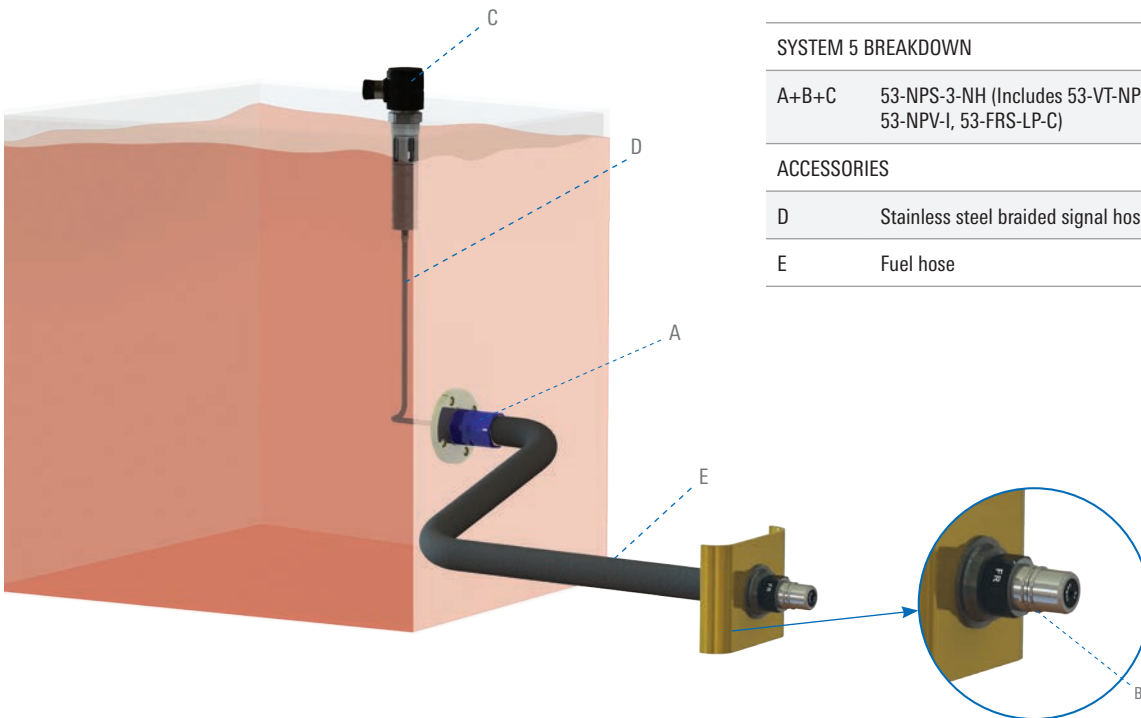
System 4 - Custom External System with Filter Kit and Overfill Hose



SYSTEM 4 BREAKDOWN

A	53-VT-NP-F-E
B	53-FRS-LP-C
C	53-NPV
D	53-NPS filter kit
E	3/4" Hose
F	Stainless steel braided hose
G	Fuel hose for overfill

System 5 - Typical Internal System with Remote Fill Point



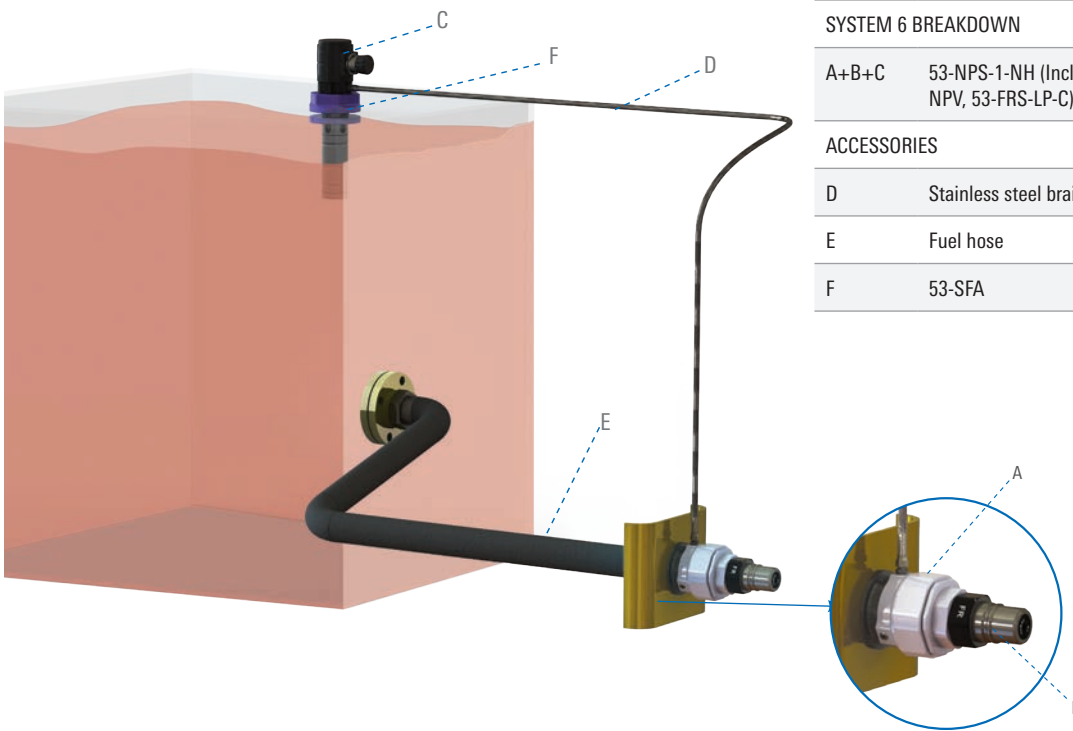
SYSTEM 5 BREAKDOWN

A+B+C	53-NPS-3-NH (Includes 53-VT-NP-I, 53-NPV-I, 53-FRS-LP-C)
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ACCESSORIES

D	Stainless steel braided signal hose
E	Fuel hose

System 6 - Typical External System with Remote Fill Point - Plastic Fuel Tanks



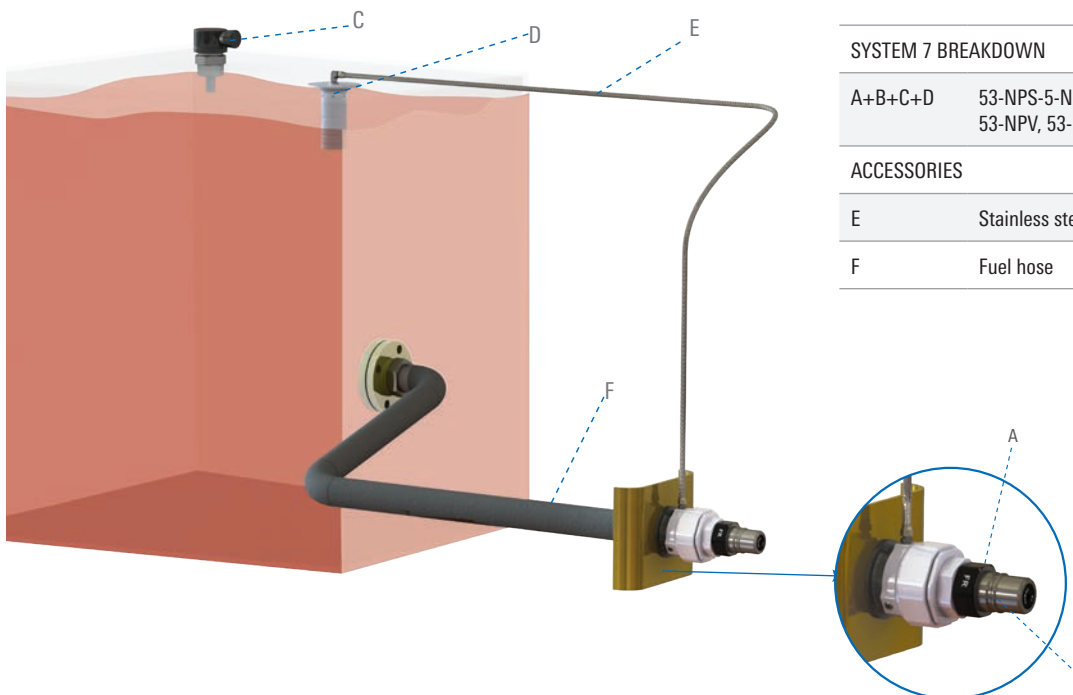
SYSTEM 6 BREAKDOWN

A+B+C	53-NPS-1-NH (Includes 53-VT-NP-E, 53-NPV, 53-FRS-LP-C)
-------	--

ACCESSORIES

D	Stainless steel braided signal hose
E	Fuel hose
F	53-SFA

System 7 - Typical External System with Remote Fill Point - Low Profile Tanks



SYSTEM 7 BREAKDOWN

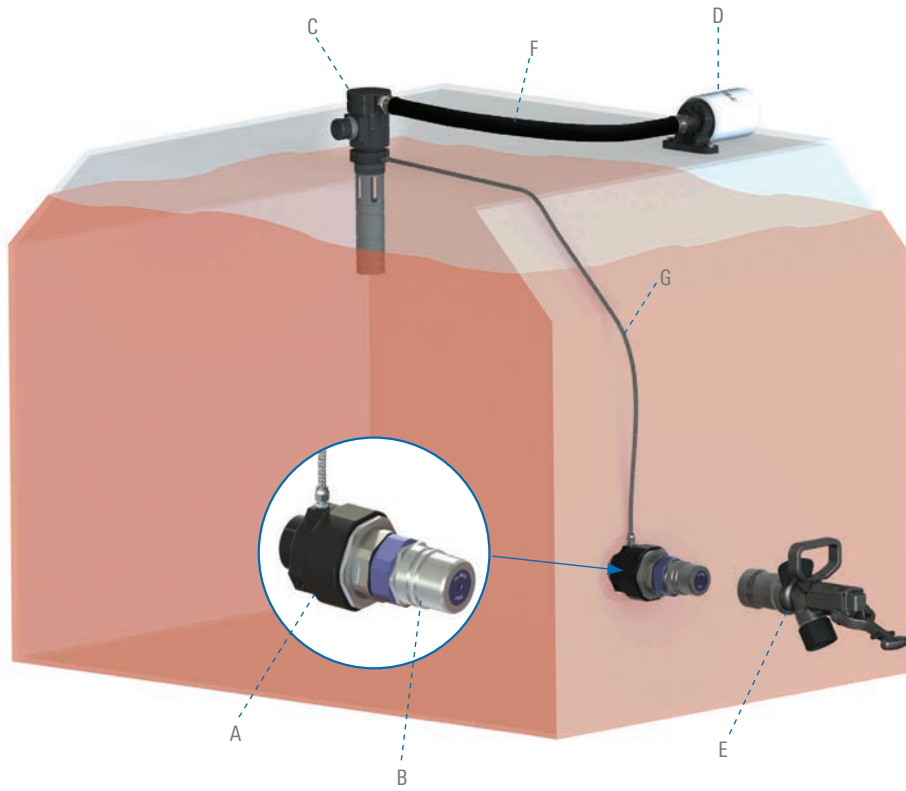
A+B+C+D	53-NPS-5-NH (Includes 53-VT-NP-AS, 53-NPV, 53-FRS-LP-C, 53-NP-SU)
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ACCESSORIES

E	Stainless steel braided signal hose
F	Fuel hose

HIGH FLOW SYSTEMS (1500 L/MIN)

System 1 - Typical High Flow System with Filter Kit



SYSTEM 1 BREAKDOWN

A+B+C 53-NPS-1-F-FRX-NH (Includes external fuel vent, NPV and FRX fuel receiver)

ACCESSORIES

D 53-NPS Filter Kit

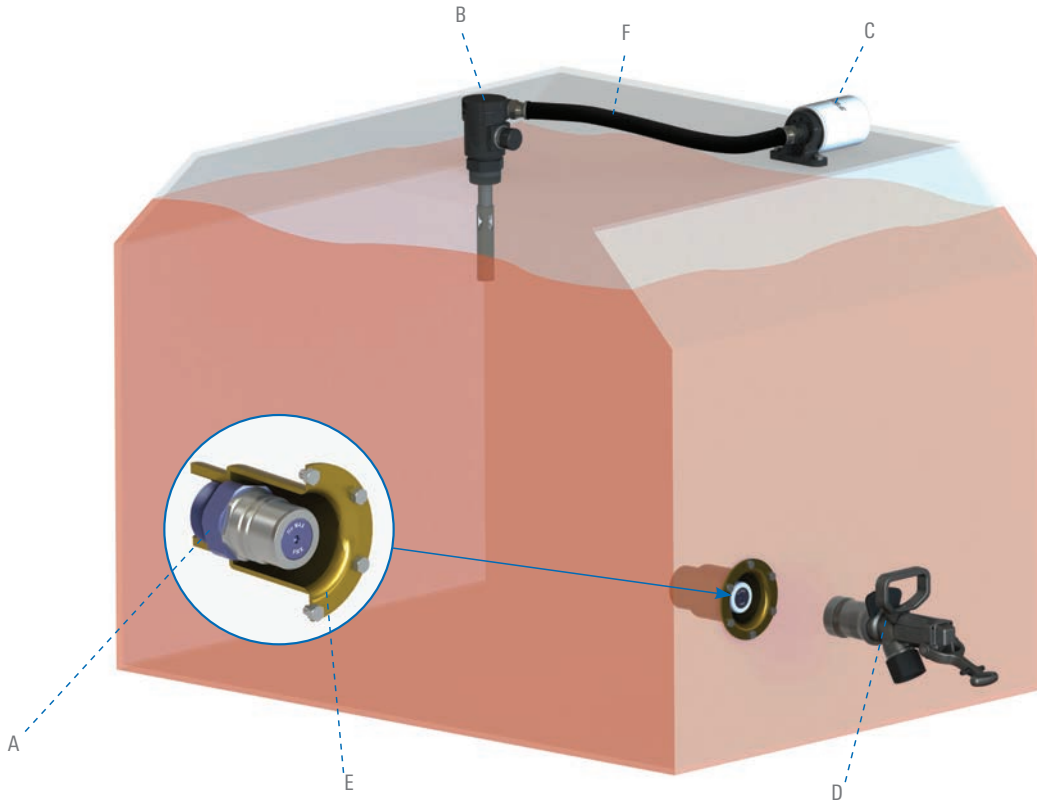
E 53-FX1500-S-P

F 3/4" Hose

G Stainless steel braided signal hose

Please note when using non pressured system for 1500 lpm the system must be an external set up as it is the only one capable of handling the high flow rates. The receiver and fuel nozzle are not compatible with other brands.

System 2 - Pressurised System with Filter Kit



SYSTEM 2 BREAKDOWN

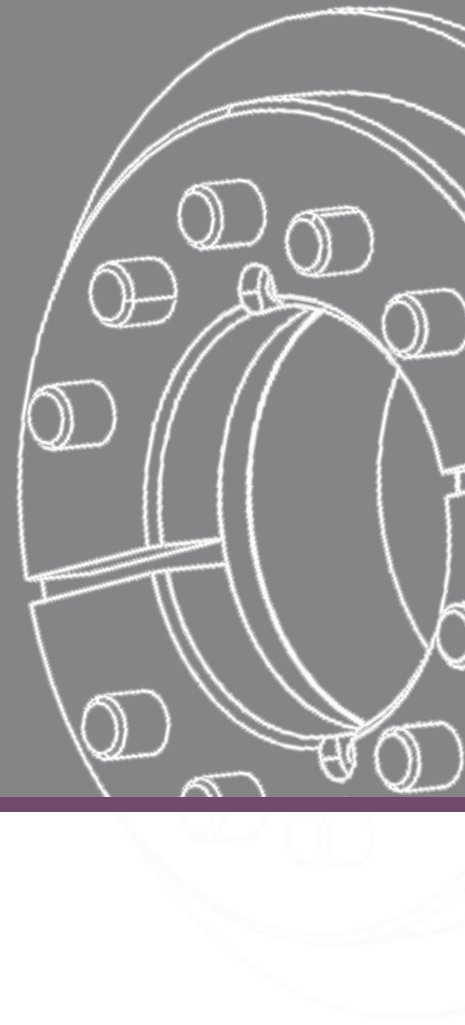
A	53-FRX (High-flow fuel receiver)
B	53-VTX-F-RT-5 High flow vent filter capable rotatable top (5" stem)

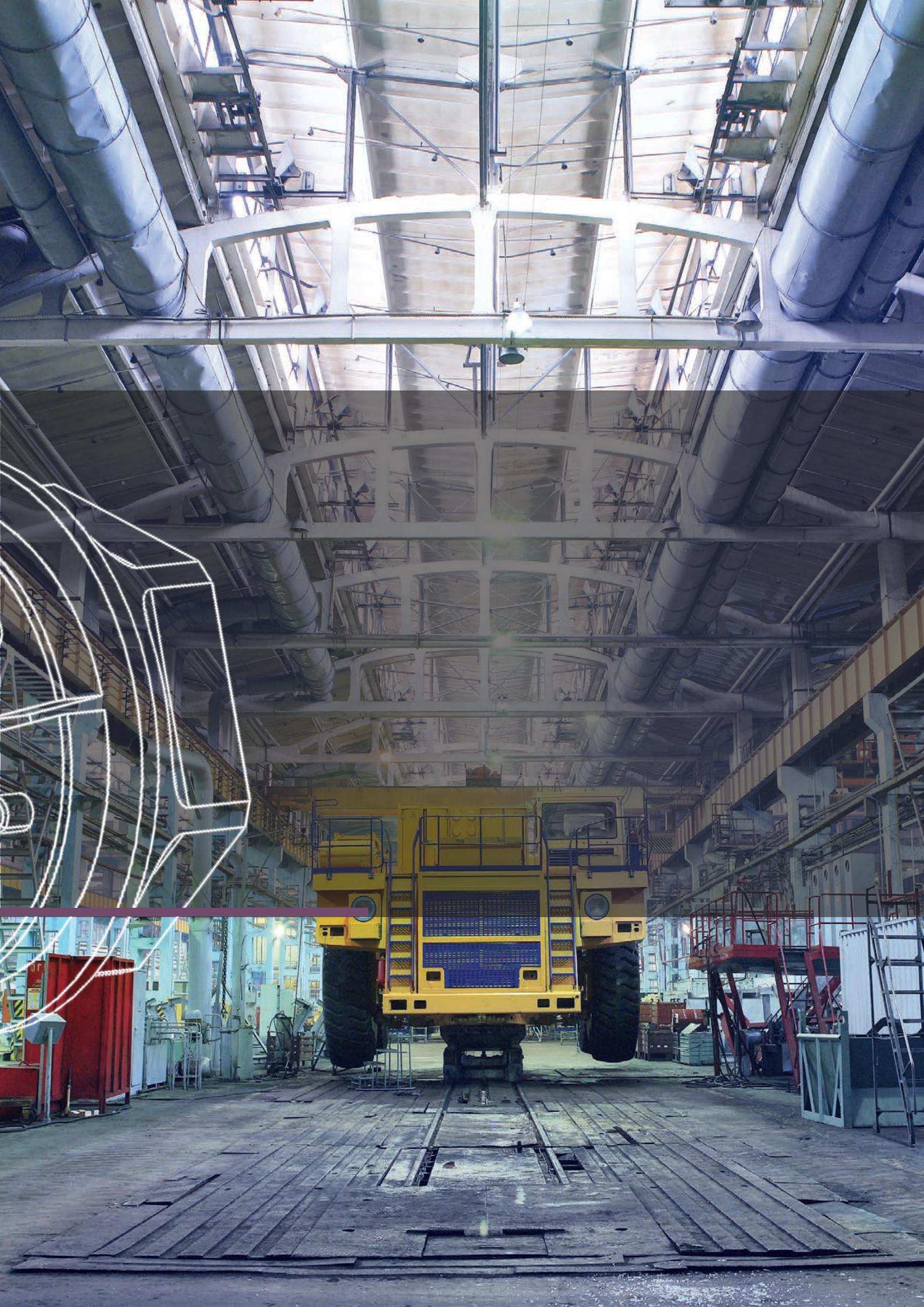
ACCESSORIES

C	53-NPS filter kit
D	53-FX1500-S-P
E	53-BH-F
F	3/4" Hose

When using pressurised system for 1500 lpm please ensure the correct ullage is determined by selecting the appropriate fuel vent stem length. This can avoid any issues relating to shut-off. Please speak to your JSG representative for further details.

FLOMAX ACCESSORIES





ACCESSORIES

FloMAX offers a unique range of accessories for its core products to improve the installation process, reduce installation/operating costs or ease the day to day operations of the equipment whilst being used in the field.

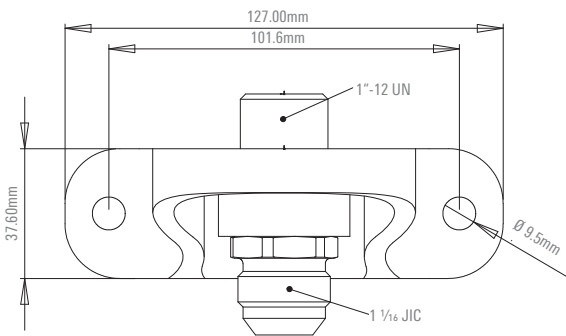
Air Filter & Bracket Assembly

This accessory has the ability to filter out the dust and particles with a 3 micron filter as air is ingressed into the fuel tank. It comes with a mounting bracket for ease of filter replacement. Most sites prefer to have a filter included in their systems to prevent large particles and dust from entering the fuel tank.

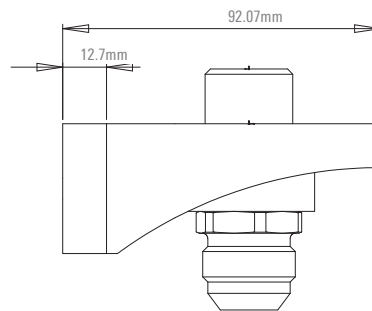
PART NO.	DESCRIPTION
53-NPS Filter Kit	Non pressure system filter kit (1 1/4" JIC M)
53-NPS-FB	Non pressure filter bracket assembly
53-NPS Filter	3 micro, filter only



53-NPS Filter Kit



53-NPS-FB
Front View



53-NPS-FB
Side View



53-NPS Filter

Signal hoses

PART NO.	DESCRIPTION
53-SL-P-1MTR	1.0m S/S Braided signal hose
53-SL-P-1.5MTR	1.5m S/S Braided signal hose
53-SL-P-2MTR	2.0m S/S Braided signal hose
53-SL-P-3MTR	3.0m S/S Braided signal hose
53-SL-P-4MTR	4.0m S/S Braided signal hose
53-SL-P-5MTR	5.0m S/S Braided signal hose
53-SL-P-8MTR	8.0m S/S Braided signal hose

Fuel/Filter Hoses

PART NO.	DESCRIPTION
53-FH-1	1.0m remote filter mount breather hose
53-FH-2	2.0m remote filter mount breather hose
53-FH-3	3.0m remote filter mount breather hose
53-FH-4	4.0m remote filter mount breather hose
53-FH-5	5.0m remote filter mount breather hose
53-FH-6	6.0m remote filter mount breather hose
53-FH-7	7.0m remote filter mount breather hose

Weld-On Socket

The Flomax weld-on socket contains a 2" NPT female thread which is designed to be welded onto existing and new fuel tanks that permits a Flomax Vent to be inserted.

PART NO.	DESCRIPTION
53-FV-P-8	Flomax 2 3/4" OD weld on socket with 2" Female NPT process connection



53-FV-P-8 Weld-On Socket

Breakaway Valves

When it comes to being safe whilst still protecting the more expensive refuelling equipment, the Breakaway Valves (BAV) from FloMAX are designed with three shear studs that will break away at a pre-determined force when installed correctly. The 2" & 3" BAV must be installed with the correct BAV mount to ensure correct operation.

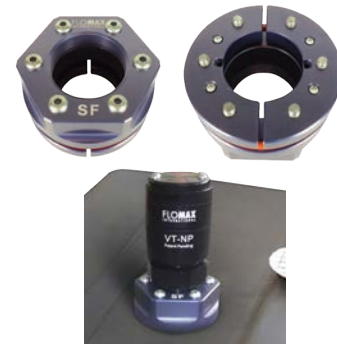
PART NO.	DESCRIPTION
53-BAV1	1" Breakaway valve
53-BAV2	2" Breakaway valve
53-BAV2-MB	2" Breakaway valve mounting bracket
53-BAV3	3" Breakaway valve
53-BAV3-MB	3" Breakaway valve mounting bracket



Split Flange Adaptor

New to FloMAX, the Split Flange Adaptor is a unique tool for installation of a Non-Pressure system on a plastic fuel tank. Its 3-piece design incorporates a 2" NPT female thread for a non-pressure vent to be directly fitted without the additional work of plastic welding a suitable neck on the tank.

PART NO.	DESCRIPTION
53-SFA	Split flange adaptor for plastic tanks



Example of a Vent Installed in Plastic Tank

Bell Housings

FloMAX Bell Housings are available for applications where the receiver needs to be inset either in the fuel tank or on a bulkhead. Bell Housings are made from formed mild steel with a welded on 2" NPT pipe coupling. They are available in either bolt-on or weld-on configurations.

PART NO.	DESCRIPTION
53-BH-3.5-W	3 1/2" Bell Housing (Weld-on)
53-BH-3.5-F	3 1/2" Bell Housing (Bolt-on)
53-BH-3.5-F-O	3 1/2" Bell Housing (Bolt-on with oblong holes)



Electronic Fuel Nozzle Mount

Constructed from Billet Aluminium, the Electronic Fuel Nozzle Mount is designed to fit all industry standard 1 1/2" nozzles and integrate into existing fuelling systems. Works on all 24v sensor systems. Includes removeable stainless steel sleeve.

PART NO.	DESCRIPTION
53-FN-EMOUNT	Electronic fuel nozzle mount



Electronic Fuel Nozzle Mount

Fuel Swivels

FloMAX swivels are manufactured from anodized aluminium and stainless steel with either 1.5" or 2" NPT process connections that incorporate two fluorosilicate seals in the middle to prevent leaking whilst still being one of the fastest swivels on the market. The nut and base swivel on as many as 32 stainless steel ball bearings for smooth operation.



1 1/2" NPTM
x 1 1/2" NPTF

2" NPTM
x 1 1/2" NPTF

2" NPTM
x 2" NPTF

PART NO.	DESCRIPTION
53-FNS	Standard swivel - 1 1/2" NPTM x 1 1/2" NPTF
53-FNS2	Standard swivel - 2" NPTM x 2" NPTF
53-SW2	Swivel - 2" NPTM x 2" NPTF
53-FNSID	Inline double swivel - 1 1/2" NPTF x 1 1/2" NPTF

Gravity Fill Receivers

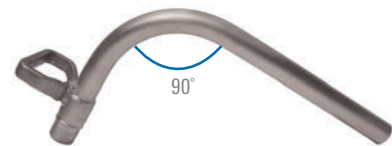
FloMAX Gravity Fill Receivers are made from anodized aircraft grade aluminium. They have a welded-on cast aluminium handle for strength and convenience. The tube comes in 2 diameters, the standard 1 1/2" and the 1" for use in filling smaller opening fuel tanks. Both diameter sizes come in either straight, 45° bend, or 90° bend.



Straight



45°



90°

PART NO.	DESCRIPTION
53-GFR-0	Gravity fill receiver - 1 1/2", Straight
53-GFR-45	Gravity fill receiver - 1 1/2", 45°
53-GFR-90	Gravity fill receiver - 1 1/2", 90°
53-GFR1-0	Gravity fill receiver - 1", Straight
53-GFR1-45	Gravity fill receiver - 1", 45°
53-GFR1-90	Gravity fill receiver - 1", 90°

Non-Pressure Signal Unit

The Low profile Non-Pressure Signal Unit from FloMAX is a unique accessory for where External Non Pressure Systems are to be installed but cannot accommodate the standard, taller vents. The NP-SU connects to the non pressure valve and shuts it off once the tank is full. Must be used with a vent.



Non Pressure Single Unit

PART NO.	DESCRIPTION
53-NP-SU	Non Pressure Signal unit

Flange Adaptors

Not every piece of machinery is ready to accept a 3rd party fuel system. Because of this, FloMAX offer bolt on adaptors for the common 2" NPT products. Available in two sizes, either 5.45" in diameter with a 6 hole pattern and a PCD of 4.7". Or a 6.45" diameter with a 6 hole pattern and a PCD of 5.815".



MFF Adaptor

PART NO.	FLANGE DIAMETER	PCD DIAMETER	FLANGE THICKNESS
53-MFF10335	5.45"	4.7"	0.75"
53-MFF10577	6.45"	5.815"	0.75"

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