



FloMAX

Product Brochure

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FloMAX Fuelling System

FloMAX Fuelling System - Diesel Fuel Nozzle

Application

- On-site refuelling of construction, mining, forestry, and agricultural equipment.

Design

- Interchanges with Caterpillar® and Wiggins systems
- Integrated high-flow swivel
- Integrated sealing plug
- Delron® bushings eliminate metal-to-metal wear
- Plug/bumper assembly gives a complete nose seal

Materials

- Cast aluminium housing, anodised
- Anodised aluminium non-wear parts
- Heat-treated stainless steel wear components

Working Pressure

- Tested to 180 GPM

Options

- Stainless steel ball-lock and dog latch mechanisms are available



Size (inch)	Part Numbers	Thread	Description
1½	FN600	Female NPT	Fuel nozzle with swivel, plug & dog latch
	FN600BL	Female NPT	Fuel nozzle with swivel, plug & ball-lock
	FN600B-PLUG	-	Fuel nozzle sealing plug for FN600
	FN600B	-	Fuel nozzle sealing plug for FN600BL
	FN600-K1	-	Service kit
	FN600-K0	-	Rebuild tools
	FN600S	-	Fuel nozzle with swivel
	FN800-P	Female NPT	Fuel nozzle with 2" inlet swivel, plug & ball-lock

Product Group: AS04

FloMAX Fuelling System - Diesel Fuel Receivers

Application

- On-site refuelling of construction, mining, forestry and agricultural equipment.

Design

- Interchanges with Caterpillar® and Wiggins systems
- FR-RS receiver allows replacement of worn components without draining the fuel tank

Materials

- Available in anodised aluminium or nickel-plated steel
- O-ring sealed aluminium cap
- Plug has set screw attached vinyl coated cable lanyard
- FR-RS receiver has an aluminium base with a nickel-plated steel nose

One-Piece Body



Part Numbers	Description
FRS	Fuel receiver - steel
FRS-C	Fuel receiver - steel with cap
FRA	Fuel receiver - aluminium
FRA-C	Fuel receiver - aluminium with cap
FR-CAP	Fuel receiver cap

Product Group: AS04

Two-Piece Body



Part Number	Description
FR-RS-C	Fuel receiver with cap

Product Group: AS04

Non-Interchange Diesel Fuel Nozzle and Receiver

Application

- Often used in biodiesel fuelling.

Features

- Designed to prevent fuel contamination
- Connects to the non-interchange receiver only
- Ball-lock design

Nozzle

Part Number	Description
FN600BL-NI	Ball-lock fuel nozzle with swivel & plug Product Group: AS04



Receiver - Anodised Aluminium

Part Number	Description
FRA-NI-C	One piece receiver with cap Product Group: AS04



FloMAX Fuelling System - Diesel High-flow Fuel Nozzle

Application

- High-flow on-site refuelling of construction, mining, forestry, and agricultural equipment and machinery.

Design

- Stainless steel ball-lock design

- Stainless steel internal wear components
- Delron® bushings

Materials

- Cast aluminium housing
- Anodised aluminium non-wear parts

Working Pressure

- Tested to 1500 litres per minute

Size (inch)	Part Numbers	Thread	Description
2	FX1500SP	Female NPT	High-flow fuel nozzle with swivel & plug
	FX1500	Female NPT	High-flow fuel nozzle, no swivel or plug
	FX1500P	Female NPT	High-flow fuel nozzle with plug, no swivel
	FX1500S	Female NPT	High-flow fuel nozzle with swivel, no plug
	FX1500PLUG	-	Sealing plug for FX1500 Product Group: AS04



FloMAX Fuelling System - Diesel High-flow Fuel Receiver

Application

- High-flow on-site refuelling of construction, mining, forestry and agricultural equipment and machinery.

Materials

- Aluminium anodised with stainless steel removable sleeve
- O-ring sealed aluminium cap
- Plug has set screw attached vinyl coated cable lanyard

Working Pressure

- Tested to 1500 litres per minute

Size (inch)	Part Numbers	Thread	Description
2	FRX	Female NPT	High-flow diesel fuel receiver
	FRX-C	Female NPT	High-flow diesel fuel receiver with cap
	FRXCAP	-	Cap to suit high-flow receiver Product Group: AS04



FloMAX Fuelling System

FloMAX Fuelling System - Diesel Fuel Swivels

Features

- Stainless steel male threaded base and ball bearings
- Hard black anodised female threaded nut
- Fluorosilicone sealing o-rings

Materials

- Stainless steel and aircraft-grade aluminium



Standard



Double

Size (inch)	Part Numbers	Thread	Description
1 ½	FNS	NPT	Standard fuel swivel - male x female NPT
2 x 1 ½	FNS2	NPT	Standard fuel swivel - male x female NPT
1 ½	FN600S	NPT	FN600 fuel swivel - used with FN600 or FN600BL
	FNSID	NPT	Double fuel swivel - male x female NPT

Product Group: AS04

FloMAX Fuelling System - Gravity Fill Receivers

Application

- Small diameter for filling small fuel tanks.

Features

- Fits 1 ½" fuel receivers
- Allows transfer of fluid without using standard fuel receiver

Materials

- Aircraft-grade aluminium



90°



Straight

Size (inch)	Part Numbers	Style
1 ½	GFR-0	Straight
	GFR-45	45°
	GFR-90	90°
1	GFR1-0	Straight
	GFR1-45	45°
	GFR1-90	90°

Used with FN600 or FN600BL

Product Group: AS04

FloMAX Fuel Vent System

Application

- On-site refuelling of construction, mining, forestry, and agricultural equipment.

Design

- Billet cap provides superior impact resistance
- Easily serviced
- All metal construction
- Rigid ball age for positive seal

Options

- Available with threaded outlet, half coupling



VTT

VTX

Size (inch)	Part Numbers	Style
5	VT	5" Tube
7	VT7	7" Tube
9	VT9	9" Tube
5	VTT	Threaded outlet with 5" tube
7	VTT7	Threaded outlet with 7" tube
9	VTX-9	High-flow 9" tube

Product Group: AS04

FloMAX Standard Series Connectors - Engine Oil (Red)

Design

- 4 colour-coded mating connectors
- Easily recognisable labelling and is fully compatible and interchangeable with industry standard
- Universally fits all crankcase receivers, both R-series and standard series
- Incorporates 10 locking balls with a 40% deeper engagement
- Larger diameter pullback lanyard
- Smoother actuation

Materials

- All metal construction
- Stainless steel wear components
- Bright red anodised aircraft-grade aluminium non-wear components
- Delron® bushings

Nozzles

Size (inch)	Part Numbers	Thread	Description
3/4	ENBL	Male NPT	Engine nozzle ball-lock
	ENBL-P	Male NPT	Engine nozzle ball-lock with plug
-	ENBL-PLUG	-	Engine nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
3/4	ERS	Male NPT	Engine receiver
	ERS-C	Male NPT	Engine receiver with cap
-	ERS-CAP	-	Engine receiver cap
3/4	ERJ	Male JIC	Engine receiver with JIC bulkhead base
	ERJ-C	Male JIC	Engine receiver with JIC bulkhead base & cap

Product Group: AS04



FloMAX Standard Series Connectors - Coolant Fluid (Teal)

Design

- Colour-coded mating connectors
- Ergonomically engineered pullbacks and caps
- The standard roll-pin locking mechanism

Materials

- Nickel-plated stainless steel nozzle and base
- Bright teal anodised aluminium

Nozzles

Size (inch)	Part Numbers	Thread	Description
1/2	CN	Male NPT	Coolant nozzle ball-lock
	CN-P	Male NPT	Coolant nozzle ball-lock with plug
-	CN-PLUG	-	Coolant nozzle plug

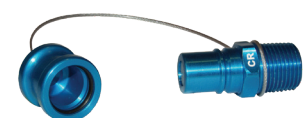
Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
1/2	CR-S	Male NPT	Coolant receiver
	CR-C	Male NPT	Coolant receiver with cap
-	CR-CAP	-	Coolant receiver cap

Product Group: AS04



FloMAX Fuelling System

FloMAX Standard Series Connectors - Hydraulic Oil (Gold)

Design

- Easily recognisable labelling
- Fully compatible and interchangeable with industry standard
- Ergonomically engineered pullbacks and caps
- 10 steel dog latching mechanism
- Colour-coded mating connectors

Materials

- All metal construction
- Stainless steel wear components
- Bright gold anodised aircraft-grade aluminium non-wear components
- Nickel-plated stainless steel wear components



Nozzles

Size (inch)	Part Numbers	Thread	Description
3/4	HN	Female NPT	Hydraulic nozzle
	HN-P	Female NPT	Hydraulic nozzle with plug
-	HN-PLUG	-	Hydraulic nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
3/4	HR	Male NPT	Hydraulic receiver
	HR-C	Male NPT	Hydraulic receiver with cap
-	HR-CAP	-	Hydraulic receiver cap

Product Group: AS04

FloMAX Standard Series Connectors - Transmission Fluid (Violet)

Design

- Ergonomically engineered pullbacks and caps
- 6 steel dog latching mechanism
- Colour-coded mating connectors

Materials

- Nickel-plated stainless steel nozzle nose and base
- Bright violet anodised



Nozzles

Size (inch)	Part Numbers	Thread	Description
1/2	TN	Male NPT	Transmission nozzle
	TN-P	Male NPT	Transmission nozzle with plug
-	TN-PLUG	-	Transmission nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
1/2	TR	Male NPT	Transmission receiver
	TR-C	Male NPT	Transmission receiver with cap
-	TR-CAP	-	Transmission receiver cap

Product Group: AS04

FloMAX R-Series Connectors - Engine Oil (Red)

Design

- Fully compatible and interchangeable with industry standard R-Series connectors
- Colour-coded and labelled mating components provide for quick and positive identification
- All metal construction ensures long and reliable performance
- Ergonomically engineered pullbacks and caps
- Standard roll-in locking mechanism

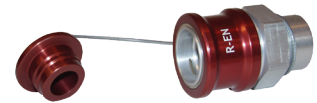
Materials

- Stainless steel and anodised aircraft-grade aluminium

Nozzles

Size inch	Part Numbers	Thread	Description
3/4	R-EN	Female NPT	R-Series engine nozzle ball-lock
	R-EN-P	Female NPT	R-Series engine nozzle ball-lock with plug
	R-EN-PLUG	-	R-Series engine nozzle ball-lock

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-ER	1.625-12 UN-2A	1.312-12 UN-2B	R-Series engine receiver
R-ER-C	1.625-12 UN-2A	1.312-12 UN-2B	R-Series engine receiver with cap
R-ER-CAP	-	-	R-Series engine receiver cap

Product Group: AS04



FloMAX R-Series Connectors - Coolant Fluid (Teal)

Nozzles

Size inch	Part Numbers	Thread	Description
1/2	R-CN	Female NPT	R-Series coolant nozzle ball-lock
	R-CN-P	Female NPT	R-Series coolant nozzle ball-lock with plug
	R-CN-PLUG	-	R-Series coolant nozzle ball-lock

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-CR	1.187-12 UN-2A	.875-14 UN-2B	R-Series coolant receiver
R-CR-C	1.187-12 UN-2A	.875-14 UN-2B	R-Series coolant receiver cap

Product Group: AS04



FloMAX Fuelling System

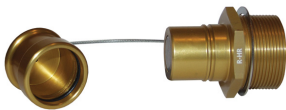
FloMAX R-Series Connectors - Hydraulic Oil (Gold)



Nozzles

Size (inch)	Part Numbers	Thread	Description
1	R-HN	Female NPT	Hydraulic nozzle
	R-HN-P	Female NPT	Hydraulic nozzle with plug
-	R- HN-PLUG	-	Hydraulic nozzle plug

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-HR	1.875-12 UN-2A	1.625-12 UN-2B	R-Series hydraulic receiver
R-HR-C	1.875-12 UN-2A	1.625-12 UN-2B	R-Series hydraulic receiver with cap
R-HR-CAP	-	-	R-Series hydraulic receiver cap

Product Group: AS04

FloMAX R-Series Connectors - Transmission Fluid (Violet)



Nozzles

Size (inch)	Part Numbers	Thread	Description
3/4	R-TN	Female NPT	Transmission nozzle
	R-TN-P	Female NPT	Transmission nozzle with plug
-	R-TN-PLUG	-	Transmission nozzle plug

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-TR	1.312-12 UN-2A	1.062-12 UN-2B	Transmission receiver
R-TR-C	1.312-12 UN-2A	1.062-12 UN-2B	Transmission receiver with cap
R-TR-CAP	-	-	Transmission receiver cap

Product Group: AS04

FloMAX Flush Face Connectors

Features

- The new patented design uses an internally sealed ball-lock mechanism to ensure a clean and trouble-free performance
- All flush-face connectors have the same outside dimensions and weight
- 12 colour choices and sizes are available along with a universal evacuation nozzle
- Can be connected without pulling on the nozzle pull back
- Flush face nozzle and receiver available in JIC base configuration on request
- Can be connected or disconnected under pressure
- The high-flow, patented non-interchangeable feature means each colour will only mate with its corresponding coloured receiver or nozzle
- 500 PSI working pressure
- 50 GPM flow rate

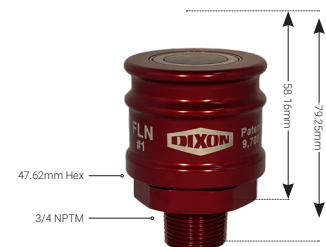
Material

- Aircraft-grade aluminium and hardened stainless steel
- Size: 3/4" male NPT

Nozzles

Size (inch)	Part Numbers	Thread (male)	Colour
3/4	FLN-1	NPT	Red
	FLN-2	NPT	Gold
	FLN-3	NPT	Teal
	FLN-4	NPT	Violet
	FLN-5	NPT	Navy
	FLN-6	NPT	Brown
	FLN-7	NPT	Blue/Grey
	FLN-8	NPT	Clear
	FLN-9	NPT	Green
	FLN-10	NPT	Grey
	FLN-11	NPT	Bronze
	FLN-12	NPT	Orange
	FLN-16EVAC	NPT	Flush face evacuation nozzle NPT
	FLNJ-EVAC	JIC	Flush face evacuation nozzle JIC

Product Group: AS04



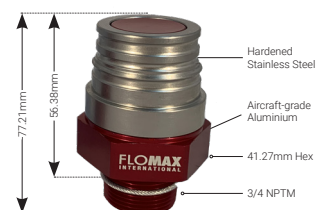
Flush Face Nozzle

Receivers

Size (inch)	Part Numbers	Thread (male)	Colour
3/4	FLR-C-1	NPT	Red
	FLR-C-2	NPT	Gold
	FLR-C-3	NPT	Teal
	FLR-C-4	NPT	Violet
	FLR-C-5	NPT	Navy
	FLR-C-6	NPT	Brown
	FLR-C-7	NPT	Blue/Grey
	FLR-C-8	NPT	Clear
	FLR-C-9	NPT	Green
	FLR-C-10	NPT	Grey
	FLR-C-11	NPT	Bronze
	FLR-C-12	NPT	Orange

All receivers supplied with cap and lanyard

Product Group: AS04



Flush Face Receiver

FloMAX Fuelling System

FloMAX Flush Face Grease Connectors

Design

- Can be connected and disconnected under pressure
- Patented design uses an internally sealed ball-lock mechanism to ensure trouble-free performance in even the harshest conditions
- The receiver has a built-in check valve
- 1" female NPT on both receiver and nozzle for maximum flow and adaptability
- Fail-safe shut-off for safety
- Flush face design helps ensure vehicle and port cleanliness

Materials

- Stainless steel construction



Nozzles

Size (inch)	Part Numbers	Thread	Colour
1	FLNG-1	Female NPT	Blue
	FLNG-2	Female NPT	Orange

Product Group: AS04

Receivers

Size (inch)	Part Numbers	Thread	Colour
1	FLRG-1	Female NPT	Blue
	FLRG-2	Female NPT	Orange

Product Group: AS04

FloMAX 3/4" Connectors

Specifications

- Consists of 6 nozzles and receivers
- Colour-coded for quick identification of mating parts
- Will only couple with their matching colour component
- Protection against cross-contamination

Materials

- All metal construction using stainless steel and anodised aircraft-grade aluminium

Working Pressure

- Maximum flow rate of 50 GPM
- Working pressure rating of 500 PSI



Nozzles

Size (inch)	Part Numbers	Thread	Description
3/4	ENBL-P	Male NPT	Red nozzle with plug
	ENBL-P2	Male NPT	Gold nozzle with plug
	ENBL-P3	Male NPT	Teal nozzle with plug
	ENBL-P4	Male NPT	Violet nozzle with plug
	ENBL-P5	Male NPT	Navy nozzle with plug
	ENBL-P6	Male NPT	Copper nozzle with plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
3/4	ERS-C	Male NPT	Red receiver with plug
	ERS-C2	Male NPT	Gold receiver with plug
	ERS-C3	Male NPT	Teal receiver with plug
	ERS-C4	Male NPT	Violet receiver with plug
	ERS-C5	Male NPT	Navy receiver with plug
	ERS-C6	Male NPT	Copper receiver with plug

Product Group: AS04

FloMAX Universal Drain Nozzle

Application

- Used to drain multiple fluids and incorporates a one-way check valve to prevent backflow and potential fluid cross-contamination.

Design

- Universal evacuation nozzle that will connect with all 3/4" ERS series receivers
- Ergonomically engineered pullbacks and caps
- The standard roll-pin locking mechanism

Materials

- Non-wear components are aircraft-grade aluminium
- All wear components are in stainless steel
- Black anodised

Size (inch)	Part Numbers	Thread	Description
3/4	UN34-P	Male NPT	Universal extraction nozzle with plug
	UN34	Male NPT	Universal extraction nozzle

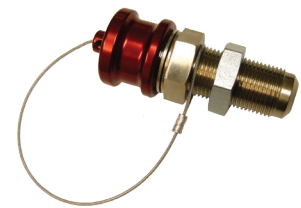
Product Group: AS04



JIC Bulkhead Receiver

Size (inch)	Part Numbers	Thread	Description
3/4	ERJ-C	Male JIC	Red receiver with JIC bulkhead base, locknut & cap
	ERJ-C2	Male JIC	Gold receiver with JIC bulkhead base, locknut & cap
	ERJ-C3	Male JIC	Teal receiver with JIC bulkhead base, locknut & cap
	ERJ-C4	Male JIC	Violet receiver with JIC bulkhead base, locknut & cap
	ERJ-C5	Male JIC	Navy receiver with JIC bulkhead base, locknut & cap
	ERJ-C6	Male JIC	Copper receiver with JIC bulkhead base, locknut & cap

Product Group: AS04



FloMAX High-Flow Series

Application

- The high-flow series of connectors have the same non-interchangeable features as the 3/4" series but are in a higher flowing 1" NPT size.

Specifications

- Consists of 7 nozzles & receivers
- Colour-coded for quick identification of mating parts
- Will only couple with their matching colour component
- Protection against cross-contamination

Design

- Nozzle/receiver combination has a flow area equivalent to a 1" schedule 80 pipe
- Nozzle incorporates a ball-lock mechanism to ensure smooth & reliable operation
- Ergonomically engineered pullbacks and caps
- Nozzle Size: 100mm long, 64mm diameter, 57mm hex
- Receiver Size: 86mm long, 47mm diameter, 51mm hex

Connections

- Nozzle - 1" female NPT
- Receiver - 1" male NPT, with a 1" female NPT threaded base

Pressure Ratings

- Working Pressure: 500 PSI
- Burst Pressure: minimum 1500 PSI

Materials

- All metal construction using
- Bright red anodised aircraft-grade aluminium non-wear components

Size (inch)	Part Numbers		Thread	Colour
	Nozzle	Receiver		
1	HFN-P1	HFR-C1	NPT	Red
	HFN-P2	HFR-C1	NPT	Gold
	HFN-P3	HFR-C1	NPT	Teal
	HFN-P4	HFR-C1	NPT	Violet
	HFN-P5	HFR-C1	NPT	Navy
	HFN-P6	HFR-C1	NPT	Copper
	HFN-P7	HFR-C1	NPT	Blue/Grey

Product Group: AS04



Nozzle



Receiver

