



VOFX SERIES

The **VOFX Series Threaded Poppet Couplers** provide high resistance to pressure impulses and are manufactured with corrosion-resistant 316 stainless steel, in a compact design. Like the VOF, the internal parts of the VOFX are designed to reduce turbulence and pressure drop, and its poppet valve with elastomer seal provides maximum sealing of the couplings when disconnected. A wrench flat on the bodies facilitates the fitting assembly.

Category: [Threaded Poppet Couplers](#) Tags: [Industry: Mobile](#), [Industry: Oil & Gas](#)

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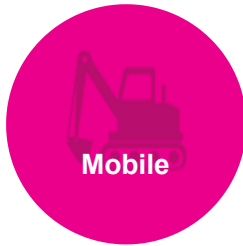
DESCRIPTION

FEATURES

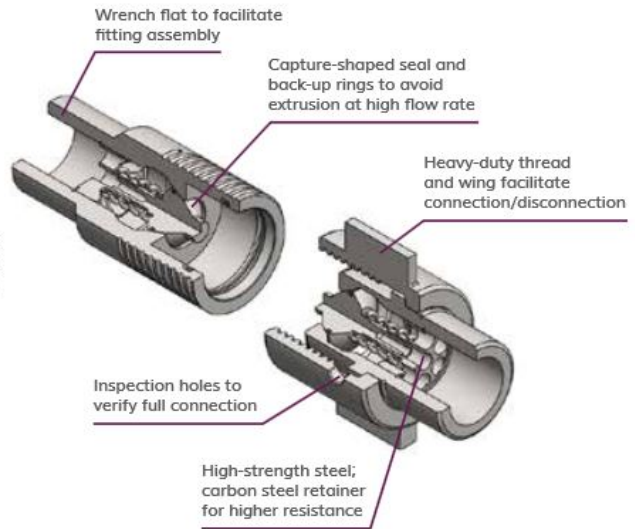
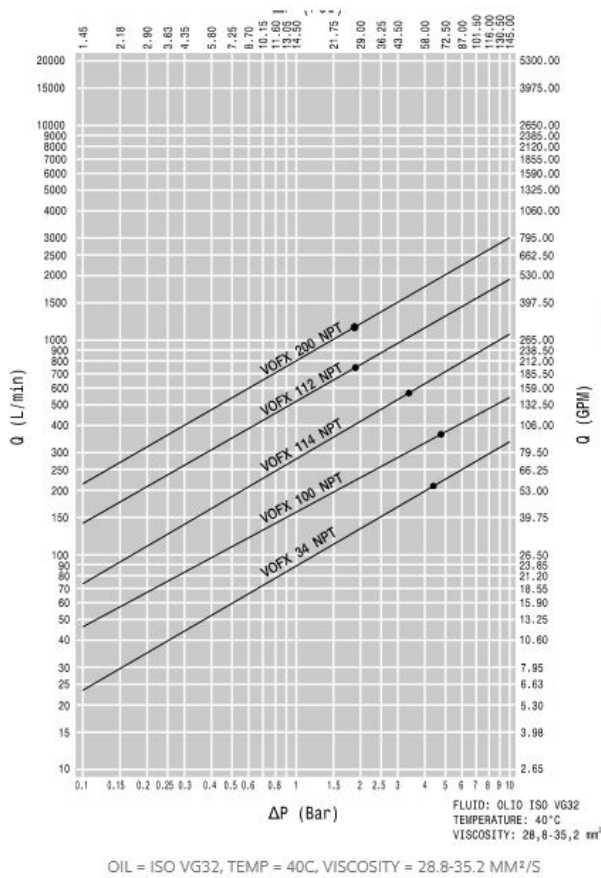
- Size range: 3/4 thru 2"
- Port options: NPT, BSP
- Interchanges with Snap-Tite 75, Dixon WS
- 316 stainless steel material to resist corrosion
- Positive-stop valving prevents flow checking
- Large diameter sleeves resist deformation for maximum life
- Inspection hole to visually confirm complete connection

APPLICATIONS

- Oil & gas applications needing high resistance to pressure impulses, such as BOPs and top drives
- Suitable for open- or closed-center hydraulic system



Pressure Drop



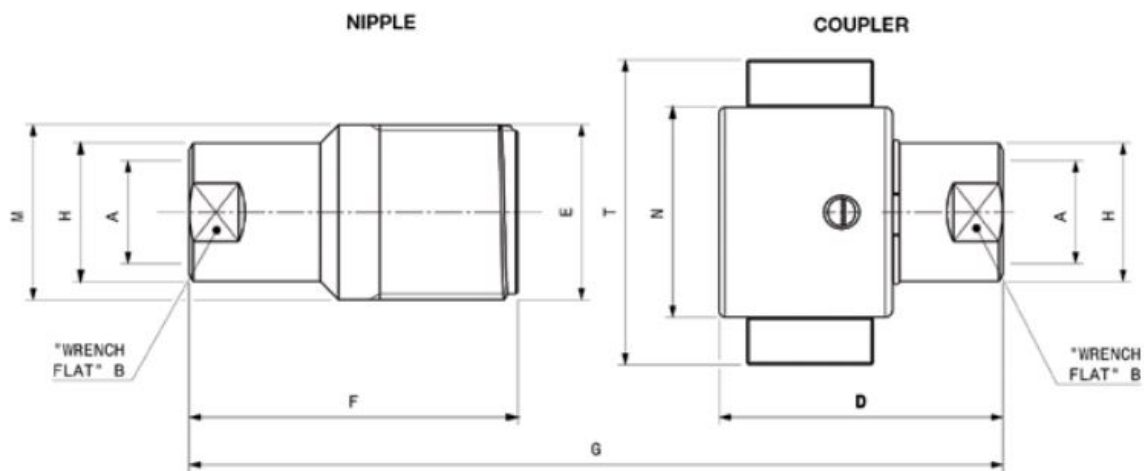
Performance

DESCRIPTION	SIZE	MAX. OPERATING PRESSURE COUPLED		BURST PRESSURE						
		MPa	psi	COUPLED		MALE		FEMALE		SPI
		MPa	psi	MPa	psi	MPa	psi	MPa	psi	
VOFX 34	3/4	20.7	3000	82.8	12000	62.1	9000	62.1	9000	

VOFX 100	1	20.7	3000	82.8	12000	62.1	9000	62.1	9000
VOFX 114	1 1/4	20.7	3000	82.8	12000	62.1	9000	62.1	9000
VOFX 112	1 1/2	20.7	3000	82.8	12000	62.1	9000	62.1	9000
VOFX 200	2	20.7	3000	82.8	12000	62.1	9000	62.1	9000

* Spillage is an indicative value of the fluid loss per couple-uncouple cycle.

Size Diagram



DESC.	BODY SIZE	A	UNIT	B	F	G	D	T	N	M	
VOFX 34	3/4	3/4	mm	31.75	83.2	123.6	71.8	77	53	44.3	
			inch	1 1/4	3.28	4.87	2.83	3.03	2.09	1.74	1
VOFX 100	1	1	mm	41.28	105.8	152.9	87.3	105	69	57.15	
			inch	1 5/8	4.17	6.02	3.44	4.13	2.72	2.25	1
VOFX 114	1 1/4	1 1/4	mm	50.8	136.7	197.9	112.4	116	80	66.67	5
			inch	2	5.38	7.79	4.43	4.57	3.15	2.62	2
VOFX 112	1 1/2	1 1/2	mm	57.15	151.2	220.3	126.9	145	95	82.55	6
			inch	2 1/4	5.95	8.67	5	5.71	3.74	3.25	1
VOFX 200	2	2	mm	76.2	179	255.2	154.2	182.5	122.5	101.6	8

Spare Kit Seal for Nipple

BODY SIZE	DESCRIPTION	ORDER CODE
3/4	VOFX 34 KIT	815700956
1	VOFX 100 KIT	815700958
1 1/4	VOFX 114 KIT	815700960
1 1/2	VOFX 112 KIT	815700962
2	VOFX 200 KIT	815700964

VOFX Stainless Interchange NPT Thread Threaded Poppet

NIPPLE	3/4	3/4	NPT	811201050	M. VOFX 34 NPT
COUPLER	3/4	3/4	NPT	811201051	F. VOFX 34 NPT
NIPPLE	1	1	NPT	811201052	M. VOFX 100 NPT
COUPLER	1	1	NPT	811201053	F. VOFX 100 NPT
NIPPLE	1 1/4	1 1/4	NPT	811201054	M. VOFX 114 NPT
COUPLER	1 1/4	1 1/4	NPT	811201055	F. VOFX 114 NPT
NIPPLE	1 1/2	1 1/2	NPT	811201056	M. VOFX 112 NPT
COUPLER	1 1/2	1 1/2	NPT	811201057	F. VOFX 112 NPT
NIPPLE	2	2	NPT	811201058	M. VOFX 200 NPT

COUPLER	2	2	NPT	811201059	F. VOFX 200 NPT
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VOF Series Accessories Protective Caps and Plugs

ORDER CODE			
BODY SIZE	PLUG FOR COUPLER	CAP FOR NIPPLE	MATERIAL / COLOR
3/4	815405013	815405012	ALUMINUM / NATURAL
1	815405011	815405010	ALUMINUM / NATURAL
1 1/4	815405015	815405014	ALUMINUM / NATURAL
1 1/2	815405017	815405016	ALUMINUM / NATURAL
2	815405019	815405018	ALUMINUM / NATURAL

Protective caps, which can increase the product life, are always recommended to protect the couplings from damage and dirt. This is particularly important in oil & gas and mobile applications, where exposure to weather and aggregate materials are common. The protective caps for VOF couplings are manufactured in aluminum (natural color).

ADDITIONAL INFORMATION

Body Size	<u>3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"</u>
Material	<u>Stainless</u>
Port Options	<u>BSP, NPT</u>
Port Size	<u>3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"</u>
Valve Style	<u>Poppet</u>
Working Pressure	<u>Up to 5000</u>

Related products

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GR PLATE SERIES

The GR Series of Multi-Coupling Plates allows the simultaneous couple and uncouple of two to ten hydraulic and/or electrical lines with a single, simple movement requiring very little force. The circuit lines can all have the same nominal coupler diameter and different media or different size couplers. A dust cap is supplied, and options include: an electrical connector for low voltage requirements and a parking station. Watch this quick video on [How to Connect and Disconnect Hydraulic and Electrical Lines using the GR Series of Multi-Coupling Plates.](#)

[Read more](#)

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BIR SERIES

The BIR Series ISO A Interchange Couplers are one of the most popular designs worldwide, due to their durability and use of a poppet style valve for the sealing mechanism. The BIR series features a zinc plated steel coupler and zinc plated hardened steel nipple, with nitrile seals. They are available from size 1/4 to 2 inches in size, to cover the various fields of hydraulic applications.

[Read more](#)

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AG INTERCHANGE IR | IRV | IRS SERIES

The Agriculture IR Series Hydraulic Quick Couplings offer automatic shut-off during disconnection. The IR features a variety of connection mechanisms: ball (IR), poppet (IRV), push pull (IRS) or push pull sleeve connectable under residual pressure (IRS PC). Poppet or flat-face are recommended for new applications.

[Read more](#)

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Dust Caps & Repair Kits

Protective caps and plugs are useful accessories that prevent damaging dust, water or mud from entering the quick couplings, thus lengthening their working lives. Repair kits are available upon request.

[Read more](#)