

## Threaded Flat Face Couplings Connect Under Pressure



### Series: VEP HD

#### VEP HD Series:

- High working pressures: 400-500 bar range based on size.
- Threaded coupling system eliminates brinelling, premature leakage
- Connect / disconnect under residual pressure up to 300 bar
- Valve limits fluid movement during connection avoiding damage to other elements of circuit.
- Low connection force required

**Overview:** Stucchi VEP HD Series is the ultimate solution most popular to hydraulic circuit applications subject to high pressure impulses, and circuits which experience high residual or trapped pressure in a line. The VEP HD thread to connect design eliminates premature wear or brinelling associated with locking ball designs subjected to high impulse pressures. New HD version has upgrade of material, yellow o-ring visual ID, and larger mating areas. The *patented internal valve* allows *connection and disconnection* with high residual pressures. Flat-Face design avoids loss of hydraulic fluid during connection / disconnection. Flat-Face design is easy to clean, limiting contamination into the circuit.

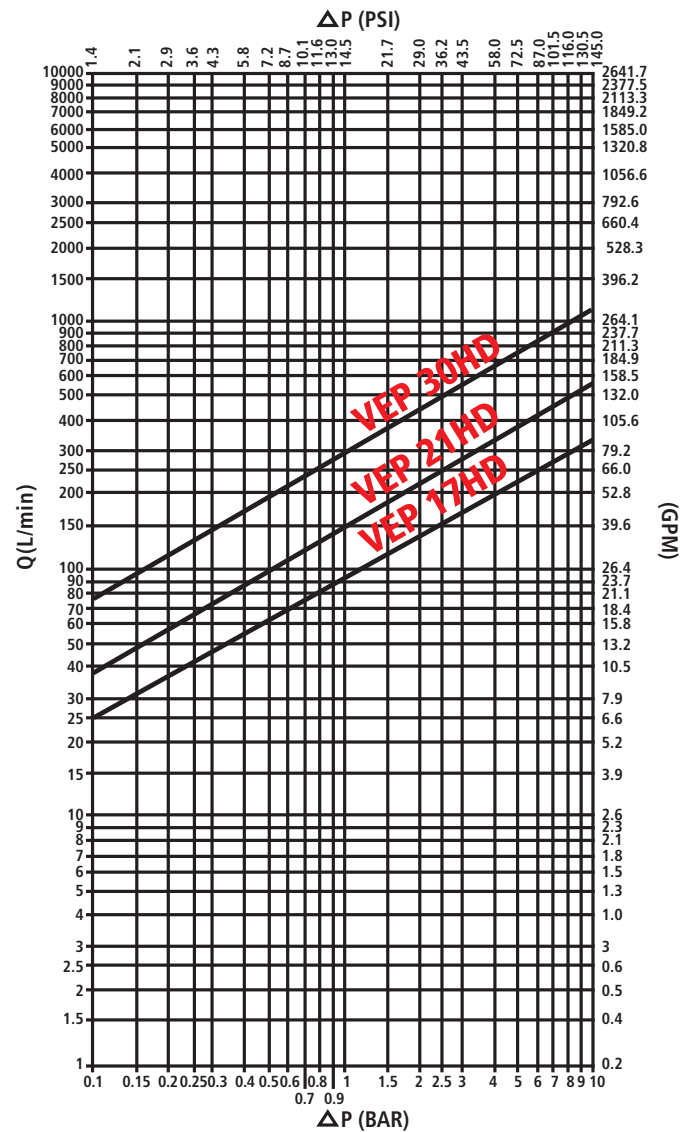
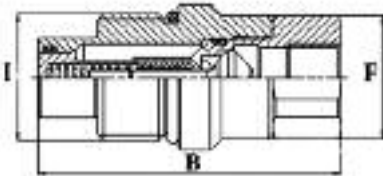
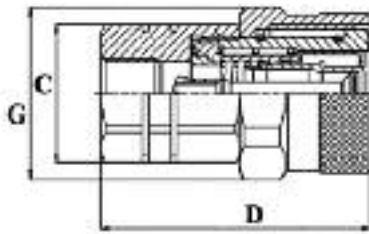
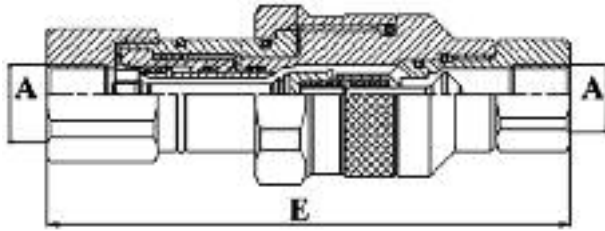
#### Applications & Features:

- Interchanges with VEP Series
- Higher grade of steel for longer life, yellow o-ring visual ID, and larger mating areas.
- Excavators w/ auxiliary line for attachments: Thumbs, Grapples, Hammers, and Compactors/Hopaks
- High impulse mobile circuits.
- All construction equipment applications with higher pressure requirements or issues of connecting / disconnecting tool attachments under residual pressure.
- Connect/Disconnect up to 300 bar residual pressure.
- Save time changing tools.

Stucchi Series	Nominal Size	ISO Size	MAX OPERATING PRESSURE COUPLED	MAX OPERATING PRESSURE COUPLED
VEP	Inches	MM	bar	PSI
VEP17HD	1	19.0	500	7142
VEP21HD	1 ¼	25.0	470	6714
VEP30HD	1 ½	31.5	400	5714

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Item	Body Size	Size (MM)	A inch	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	I (mm)
VEP 17HD	1	19	1	132	51.8	107.7	198.5	49.8	58.8	M50X3
VEP 21HD	1 ¼"	25	1 ¼"	133.4	61.8	110.8	198.2	59.8	69.8	M58X3
VEP 30HD	1 ½"	31.5	1 ½"	150	89.8	133.5	256	69.6	89	M72X4



Call us at 847-956-9720, Fax at 847-956-9723, or visit us on the web [www.stucchiusa.com](http://www.stucchiusa.com)

**Flat-Face Thread Coupling connect w/ High Residual Pressure Series: VEP HD-NPT Thread**

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1	1	NPT	808101012	F.VEP17HD 1" NPT
Nipple	1	1	NPT	808101013	M.VEP17HD 1" NPT
Coupler	1 ¼	1 ¼	NPT	808101014	F.VEP21HD 114 NPT
Nipple	1 ¼	1 ¼	NPT	808101015	M.VEP21HD 114 NPT
Coupler	1 ½	1 ½	NPT	808101016	F.VEP30HD 112 NPT
Nipple	1 ½	1 ½	NPT	808101017	M.VEP30HD 112 NPT



Coupler

**Flat-Face Thread Coupling connect w/ High Residual Pressure Series: VEP HD-SAE Thread**

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1	1	SAE	808104012	F.VEP17HD 1" SAE
Nipple	1	1	SAE	808104013	M.VEP17HD 1" SAE
Coupler	1 ¼	1 ¼	SAE	808104014	F.VEP21HD 114 SAE
Nipple	1 ¼	1 ¼	SAE	808104015	M.VEP21HD 114 SAE
Coupler	1 ½	1 ½	SAE	808104016	F.VEP30HD 112 SAE
Nipple	1 ½	1 ½	SAE	808104017	M.VEP30HD 112 SAE



Nipple

**Flat-Face Thread Coupling connect w/ High Residual Pressure Series: VEP HD-Flange Port**

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1	1	Flange Head	808124012	F.VEP17 HD 1" FH Code 62
Nipple	1	1	Flange Head	808124013	M.VEP17 HD 1" FH Code 62
Coupler	1 ¼	1 ¼	Flange Head	808124014	F.VEP21 HD 1 1/4" FH Code 62
Nipple	1 ¼	1 ¼	Flange Head	808124015	M.VEP21 HD 1 1/4" FH Code 62
Coupler	1 ½	1 ½	Flange Head	808124016	F.VEP30HD 1 1/2" FH Code 62
Nipple	1 ½	1 ½	Flange Head	808124017	M.VEP30HD 1 1/2" FH Code 62
Coupler	1	1	Flange Pad	808124020	F.VEP17 HD 1" FPU Code 62
Nipple	1	1	Flange Pad	808124021	M.VEP17 HD 1" FPU Code 62
Coupler	1 ¼	1 ¼	Flange Pad	808124022	F.VEP21 HD 1 1/4" FPU Code 62
Nipple	1 ¼	1 ¼	Flange Pad	808124023	M.VEP21 HD 1 1/4" FPU Code 62
Coupler	1 ½	1 ½	Flange Pad	808124024	F.VEP30HD 1 1/2" FPU Code 62
Nipple	1 ½	1 ½	Flange Pad	808124025	M.VEP30HD 1 1/2" FPU Code 62



Coupler



Nipple

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