



## How To Use

- Before connecting, clean the flat mating surface of coupling to avoid inclusion of contamination into the circuit.
- To connect pull forward the connection sleeve of the female coupling. Align the female and male coupling holding forward the connection sleeve and thread together turning the sleeve. Keep couplers aligned during connection process. Do not push to connect couplings.

The screwing of the threads should be done by hand without the use of the tools for the first part of the connection.

The use of tools for the second part of connection can be necessary if there is high residual pressure in the circuit.

Screw the connecting sleeve of the female until metal surface contact with the male coupling is complete.

Tighten the sleeve to the base of the male using the tightening torque spec. as indicated in the table below.

- To uncouple turn sleeve from contact position using a wrench, then unscrew making sure the couplings stay aligned through the entire process.

## Warning!

- Do not use the female coupling disconnected with impulse pressure at high frequency.
- Do not couple-uncouple with flow in the circuit. Connection only allowed with residual pressure.
- Do not couple-uncouple when the temperature inside of the circuit is higher than 80°C (176°F).
- When the couplings are disconnected, it is suggested to use the protection caps.
- It is important to limit contamination in the circuit to avoid compromising the function of the internal valves.

## Series: VEP-HD

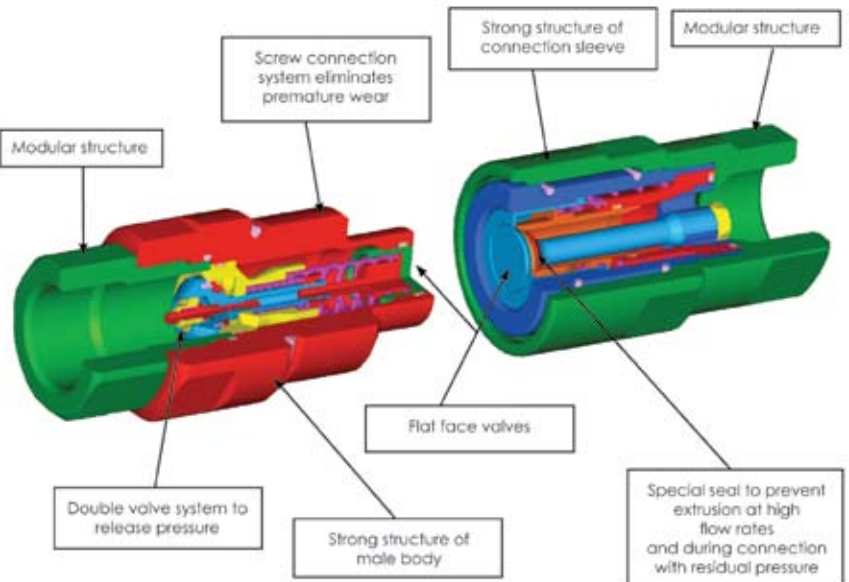
### For Demolition Connection & Disconnection Under Pressure

#### Technical Features and Options

- Interchangeability: Stucchi internal specification
- Valve system: Flat face
- Mechanical connection: Screw system
- Connection system: Screw to connect
- Disconnection system: Unscrew to disconnect
- Connection with residual pressure: Pressure in the male coupling, female coupling or both.
- Disconnection with residual pressure: Allowed
- Threads available: BSP, NPT, SAE
- Threads on request: Flange ports, ORFS or others
- Temperature range: Standard seals NBR, PUR, POM from -20°C to +100°C (from -4°F to +212°F).

#### Materials

Construction material:	High grade carbon steel.
Threaded zone treatment:	nitriding + oxidation (QPQ)
Other surface treatment:	Zinc plated
External springs:	AISI 302
Internal springs:	C72 steel
Seals:	standard in NBR (Nitrile), PUR (Polyurethane), POM (Delrin)
Anti-extrusion rings:	PTFE



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## Performance

	Size	Rated Flow		Max. flow suggested		Connect torque		Disconnect torque		Spillage*
		Inch	l/min	GPM	l/min	GPM	N	lbf	N	
<b>VEP17HD</b>	1	100	26.50	200	53.00	5.6	4.13	3.6	2.65	0.018
<b>VEP21HD</b>	1-1/2	189	50.09	378	100.17	8.2	6.04	5.8	4.27	0.060
<b>VEP30HD</b>	2	288	76.32	750	198.75	26.0	19.16	12.5	9.21	0.200



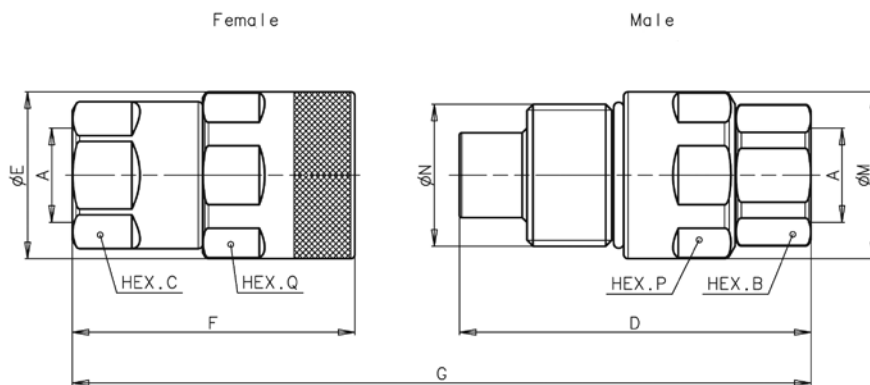
QUICK CONNECT COUPLINGS

	Max. operating pressure						Burst pressure					
	Coupled		Male		Female		Coupled		Male		Female	
	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
<b>VEP17HD</b>	50	7250	50	7250	33	4785	125	18125	125	18125	100	14500
<b>VEP21HD</b>	47	6815	47	6815	30	4350	120	17400	120	17400	80	11600
<b>VEP30HD</b>	40	5800	40	5800	27	3915	110	15950	110	15950	80	11600

	Tightening torque		Max. residual pressure during connection						Max. residual pressure during disconnect	
			Male Female to drain		Female Male to drain		Male and Female			
			MPa	psi	MPa	psi	MPa	psi		
<b>VEP17HD</b>	110-130	81-96	25	3625	25	3625	15	2175	15	2175
<b>VEP21HD</b>	125-145	92-107	25	3625	25	3625	15	2175	15	2175
<b>VEP30HD</b>	155-175	114-129	25	3625	25	3625	5	725	5	725



Stucchi®



## Dimensions

Description	A	unit	B	C	D	E	F	G	M	N	P	Q	Weight	Male	Female
VEP17HD 3/4 BSP	3/4	mm	46	46	124	58.8	99.7	200.9	58.8	M50x3	55	55	Kg	1.350	1.330
VEP17HD 1 BSP	1	mm	46	46	124	58.8	99.7	200.9	58.8	M50x3	55	55	Kg	1.350	1.330
VEP21HD 1 BSP	1	mm	55	55	133.4	69.8	106.8	216.2	69.8	M58x3	65	65	Kg	1.890	2.120
VEP21HD 1-1/4 BSP	1-1/4	mm	55	55	133.4	69.8	106.8	216.2	69.8	M58x3	65	65	Kg	1.790	2.020
VEP30HD 1-1/4 BSP	1-1/4	mm	65	65	150	95	133.5	253.9	94.4	M80x4	75	85	Kg	3.400	4.460
VEP30HD 1-1/2 BSP	1-1/2	mm	65	65	150	95	133.5	253.9	94.4	M80x4	75	85	Kg	3.400	4.460

## Series: VEP-HD



Article no.	TYPE	Price £	Price €
<b>BSP THREAD</b>			
808100010	F. VEP15HD 3/4 BSP	£145.80	€153.10
808100011	M. VEP15HD 3/4 BSP	£126.80	€133.10
808100018	F. VEP17HD 3/4 BSP	£161.10	€169.10
808100019	M. VEP17HD 3/4 BSP	£133.10	€139.80
808100012	F. VEP17HD 1" BSP	£161.10	€169.10
808100013	M. VEP17HD 1" BSP	£133.10	€139.80
808100020	F. VEP21HD 1" BSP	£186.40	€195.70
808100021	M. VEP21HD 1" BSP	£186.10	€195.50
808100014	F. VEP21HD 1-1/4 BSP	£186.40	€195.70
808100015	M. VEP21HD 1-1/4 BSP	£186.40	€195.70
808100022	F. VEP30HD 1-1/4 BSP	£480.60	€504.60
808100023	M. VEP30HD 1-1/4 BSP	£433.90	€455.60
808100026	F. VEP30HD 1-1/4 BSP EST	£486.80	€511.10
808100016	F. VEP30HD 1-1/2 BSP	£480.60	€504.60
808100017	M. VEP30HD 1-1/2 BSP	£459.30	€482.20

Article no.	TYPE	Price £	Price €
<b>NPT THREAD</b>			
808101010	F. VEP 15HD 3/4 NPT	£147.10	€154.40
808101011	M. VEP 15HD 3/4 NPT	£128.00	€134.50
808101018	F. VEP17HD 3/4 NPT	£162.40	€170.50
808101019	M. VEP17HD 3/4 NPT	£134.40	€141.20
808101012	F. VEP17HD 1" NPT	£162.40	€170.50
808101013	M. VEP17HD 1" NPT	£134.40	€141.20
808101020	F. VEP21HD 1" NPT	£187.70	€197.10
808101021	M. VEP21HD 1" NPT	£187.70	€197.10
808101014	F. VEP21HD 1-1/4 NPT	£187.70	€197.10
808101015	M. VEP21HD 1-1/4 NPT	£187.70	€197.10
808101022	F. VEP30HD 1-1/4 NPT	£481.90	€506.00
808101023	M. VEP30HD 1-1/4 NPT	£460.60	€483.60
808101016	F. VEP30HD 1-1/2 NPT	£481.90	€506.00
808101017	M. VEP30HD 1-1/2 NPT	£460.60	€483.60
<b>SAE THREAD</b>			
808104010	F. VEP 15HD 3/4 SAE	£147.10	€154.40
808104011	M. VEP 15HD 3/4 SAE	£128.00	€134.50
808104018	F. VEP17HD 3/4 SAE	£162.40	€170.50
808104019	M. VEP17HD 3/4 SAE	£134.40	€141.20
808104012	F. VEP17HD 1" SAE	£162.40	€170.50
808104013	M. VEP17HD 1" SAE	£134.40	€141.20
808104020	F. VEP21HD 1" SAE	£187.70	€197.10
808104021	M. VEP21HD 1" SAE	£187.70	€197.10
808104014	F. VEP21HD 1-1/4 SAE	£187.70	€197.10
808104015	M. VEP21HD 1-1/4 SAE	£187.70	€197.10
808104022	F. VEP30HD 1-1/4 SAE	£481.90	€506.00
808104023	M. VEP30HD 1-1/4 SAE	£459.30	€482.20
808104016	F. VEP30HD 1-1/2 SAE	£481.90	€506.00
808104017	M. VEP30HD 1-1/2 SAE	£460.60	€483.60