

SERIES: VEP-P

**Screw to Connect Without Safety Lock
Connect & Disconnect 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: Metrics DIN, ORFS or others
- Temperature range: Standard seals NBR, PUR, POM from -20°C to +100°C (from -4°F to +212°F).



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.

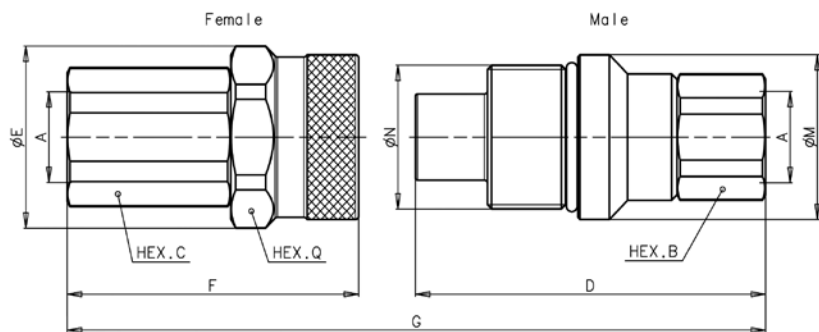
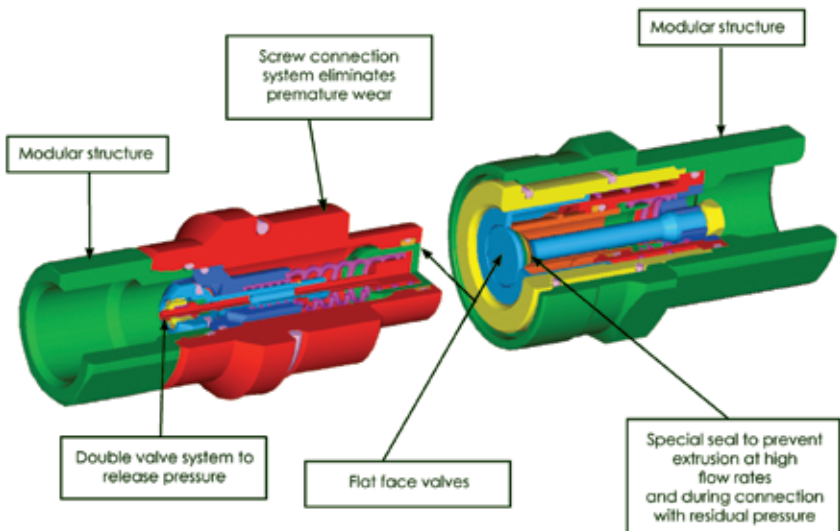
- To uncouple turn sleeve from contact position using a wrench, then unscrew making sure the couplings stay aligned through the entire process.

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.

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



Series: VEP-P

Performance

	Size		Rated Flow		Max. flow suggested		Connect torque		Disconnect torque		Spillage*
	Inch	l/min	GPM	l/min	GPM	N	lbf	N	lbf		
VEP7	1/4	12	3.18	24	6.36	2.8	2.06	1.9	1.40	0.012	
VEP9P	3/8	23	6.10	46	12.19	2.2	1.62	1.4	1.03	0.040	
VEP13P	1/2	45	11.93	90	23.85	1.8	1.33	1.4	1.03	0.025	
VEP15P	5/8	74	19.61	148	39.22	3.0	2.21	1.8	1.33	0.033	
VEP17P	3/4	100	26.50	200	53.00	5.6	4.13	3.6	2.65	0.018	
VEP21P	1	189	50.09	378	100.17	8.2	6.04	5.8	4.27	0.060	
VEP30P	1-1/2	288	76.32	750	198.75	26.0	19.16	12.5	9.21	0.200	
VEP45P	2	379	100.44	1000	265.00	40.0	29.48	40.0	29.48	0.350	



QUICK CONNECT COUPLINGS



Stucchi®

	Max. operating pressure						Burst pressure					
	Coupled		Male		Female		Coupled		Male		Female	
	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
VEP7	60	8700	60	8700	42	6090	150	21750	150	21750	126	18270
VEP9P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
VEP13P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
VEP15P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
VEP17P	50	7250	50	7250	33	4785	125	18125	125	18125	100	14500
VEP21P	47	6815	47	6815	30	4350	120	17400	120	17400	80	11600
VEP30P	40	5800	40	5800	27	3915	110	15950	110	15950	80	11600
VEP45P	35	5075	35	5075	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	MPa	psi	MPa	psi
VEP7	40-50	29-37	30	4350	30	4350	25	3625	25	3625
VEP9P	50-60	37-44	25	3625	25	3625	25	3625	25	3625
VEP13P	65-75	48-55	25	3625	25	3625	20	2900	20	2900
VEP15P	70-80	52-59	25	3625	25	3625	20	2900	20	2900
VEP17P	90-110	66-81	25	3625	25	3625	15	2175	15	2175
VEP21P	125-145	92-107	25	3625	25	3625	15	2175	15	2175
VEP30P	155-175	114-129	25	3625	25	3625	5	725	5	725
VEP45P	320-350	236-258	25	3625	20	2900	2	290	2	290

Dimensions

Description	A	unit	B	C	D	E	F	G	M	N	Q	Weight	Male	Female
VEP7 1/4 BSP	1/4	mm	22	27	71	38.8	54.1	113.3	34.8	M30x2	36	Kg	0.233	0.250
VEP9P 3/8 BSP	3/8	mm	27	30	82.5	41.8	65.8	131.3	37.8	M33x2	38	Kg	0.325	0.330
VEP9P 1/2 BSP	1/2	mm	27	30	85	41.8	70.8	138.8	37.8	M33x2	38	Kg	0.320	0.340
VEP13P 1/2 BSP	1/2	mm	36	36	95	49.8	77.8	154.6	45.8	M40x3	46	Kg	0.600	0.615
VEP13P 3/4 BSP	3/4	mm	36	36	97.4	49.8	84.8	164	45.8	M40x3	46	Kg	0.580	0.590
VEP15P 3/4 BSP	3/4	mm	36	41	99	53.8	84.9	165.4	49.8	M45x3	50	Kg	0.670	0.760
VEP17P 3/4 BSP	3/4	mm	46	46	113.6	58.8	97.7	188.5	54.8	M50x3	55	Kg	1.065	1.168
VEP17P 1 BSP	1	mm	46	46	113.6	58.8	99.7	190.5	54.8	M50x3	55	Kg	1.015	1.118
VEP21P 1 BSP	1	mm	55	55	123.4	69.8	105.8	205.2	64.5	M58x3	65	Kg	1.540	1.780
VEP21P 1-1/4 BSP	1-1/4	mm	55	55	123.4	69.8	106.8	206.2	64.5	M58x3	65	Kg	1.440	1.685
VEP30P 1-1/4 BSP	1-1/4	mm	65	65	150	92	133.5	253.9	89.8	M80x4	85	Kg	3.245	3.910
VEP30P 1-1/2 BSP	1-1/2	mm	65	65	150	92	133.5	253.9	89.8	M80x4	85	Kg	3.200	3.810
VEP45P 2 BSP	2	mm	90	90	218.4	200	224.8	383.5	145	M130x6	-	Kg	11.885	14.680



Stucchi®

Series: VEP-P

Article no.	TYPE	Price £	Price €
BSP THREAD			
806500008	F. VEP7P 1/4 BSP	£66.80	€68.90
806500009	M. VEP7P 1/4 BSP	£62.70	€64.60
807200002	F. VEP9P 3/8 BSP	£73.50	€75.80
807200003	M. VEP9P 3/8 BSP	£83.50	€86.20
807200004	F. VEP9P 1/2 BSP	£75.20	€77.50
807200005	M. VEP9P 1/2 BSP	£85.20	€87.90
807200006	F. VEP13P 1/2 BSP	£96.10	€99.10
807200007	M. VEP13P 1/2 BSP	£96.10	€99.10
807200008	F. VEP13P 3/4 BSP	£98.60	€101.70
807200009	M. VEP13P 3/4 BSP	£98.60	€101.70
807200010	F. VEP15P 3/4 BSP	£125.30	€129.20
807200011	M. VEP15P 3/4 BSP	£112.80	€116.30
807200024	F. VEP17P 3/4 BSP	£158.70	€163.70
807200025	M. VEP17P 3/4 BSP	£129.50	€133.50
807200012	F. VEP17P 1" BSP	£158.70	€163.70
807200013	M. VEP17P 1" BSP	£129.50	€133.50
807200020	F. VEP21P 1" BSP	£183.80	€189.50
807200021	M. VEP21P 1" BSP	£183.80	€189.50
807200014	F. VEP21P 1-1/4 BSP	£183.80	€189.50
807200015	M. VEP21P 1-1/4 BSP	£183.80	€189.50
807200022	F. VEP30P 1-1/4 BSP	£480.30	€495.30
807200023	M. VEP30P 1-1/4 BSP	£459.10	€473.40
807200016	F. VEP30P 1-1/2 BSP	£480.30	€495.30
807200017	M. VEP30P 1-1/2 BSP	£459.40	€473.80
807200018	F. VEP45P 2" BSP	£1,453.50	€1,498.90
807200019	M. VEP45P 2" BSP	£955.30	€985.20

Article no.	TYPE	Price £	Price €
NPT THREAD			
806501008	F. VEP7P 1/4 NPT	£70.20	€72.40
806501009	M. VEP7P 1/4 NPT	£65.80	€67.90
807201002	F. VEP9P 3/8 NPT	£77.20	€79.60
807201003	M. VEP9P 3/8 NPT	£87.70	€90.50
807201004	F. VEP9P 1/2 NPT	£79.00	€81.40
807201005	M. VEP9P 1/2 NPT	£89.50	€92.30
807201006	F. VEP13P 1/2 NPT	£100.90	€104.00
807201007	M. VEP13P 1/2 NPT	£100.90	€104.00
807201008	F. VEP13P 3/4 NPT	£103.50	€106.70
807201009	M. VEP13P 3/4 NPT	£103.50	€106.70
807201010	F. VEP15P 3/4 NPT	£131.60	€135.70
807201011	M. VEP15P 3/4 NPT	£118.40	€122.10
807201012	F. VEP17P 1" NPT	£166.70	€171.90
807201013	M. VEP17P 1" NPT	£136.00	€140.20
807201014	F. VEP21P 1-1/4 NPT	£193.00	€199.00
807201015	M. VEP21P 1-1/4 NPT	£193.00	€199.00
807201016	F. VEP30P 1-1/2 NPT	£504.30	€520.10
807201017	M. VEP30P 1-1/2 NPT	£482.40	€497.50
807201018	F. VEP45P 2" NPT	£1,526.20	€1,573.90
807201019	M. VEP45P 2" NPT	£1,003.10	€1,034.40
SAE THREAD			
807204002	F. VEP9P 1/2 SAE	£79.00	€81.40
807204003	M. VEP9P 1/2 SAE	£89.50	€82.30
807204008	F. VEP13P 3/4 SAE	£103.50	€106.70
807204009	M. VEP13P 3/4 SAE	£103.50	€106.70
807204010	F. VEP15P 3/4 SAE	£131.60	€135.70
807204011	M. VEP15P 3/4 SAE	£118.40	€122.10
807204022	F. VEP17P 3/4 SAE	£166.70	€171.90
807204023	M. VEP17P 3/4 SAE	£136.80	€140.20
807204012	F. VEP17P 1' SAE	£166.70	€171.90
807204013	M. VEP17P 1' SAE	£136.00	€140.20
807204024	F. VEP21P 1' SAE	£193.00	€199.00
807204025	M. VEP21P 1' SAE	£193.00	€199.00
807204014	F. VEP21P 1-1/4 SAE	£193.00	€199.00
807204015	M. VEP21P 1-1/4 SAE	£193.00	€199.00
807204026	F. VEP30P 1-1/4 SAE	£504.30	€520.10
807204027	M. VEP30P 1-1/4 SAE	£482.40	€497.50
807204016	F. VEP30P 1-1/2 SAE	£504.30	€520.10
807204017	M. VEP30P 1-1/2 SAE	£482.40	€497.50
807204018	F. VEP45P 2' SAE	£1,526.20	€1,573.90
807204019	M. VEP45P 2' SAE	£1,003.10	€1,034.40

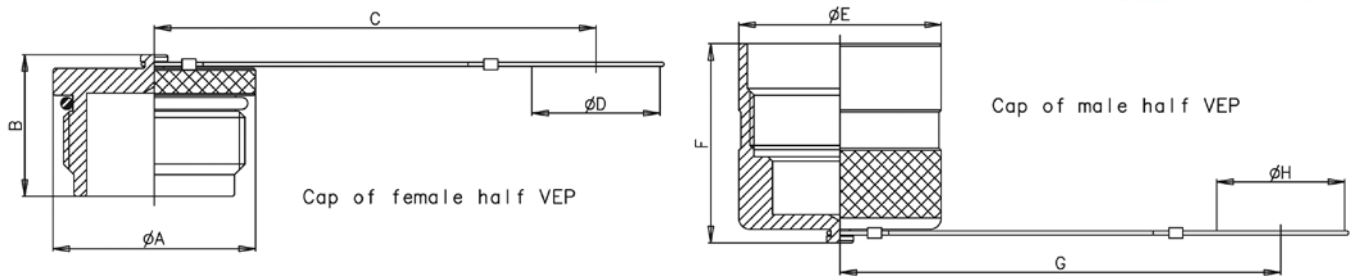
Protective Dust Caps for Flat Face Couplings

For VEP-P & VEP-HD Series

Protection Caps for VEP-P AND VEP-HD Series - Aluminium

Standard caps are RED. Also available in white on request.

Temperature range: from -20°C to +100°C (from -4°F to +212°F).



Coupling	Unit	A	B	C	D	E	F	G	H	Weight Kg
F-VEP7	mm	34.8	35.4	150	24	-	-	-	-	0.045
M-VEP7	mm	-	-	-	-	34.8	45	150	24	0.050
F-VEP9P	mm	37.8	36.6	170	24	-	-	-	-	0.055
M-VEP9P	mm	-	-	-	-	37.8	51.5	170	24	0.065
F-VEP13P	mm	45.8	40	210	33	-	-	-	-	0.075
M-VEP13P	mm	-	-	-	-	45.8	56.5	210	33	0.100
F-VEP15P	mm	49.8	43.6	210	36	-	-	-	-	0.110
M-VEP15P	mm	-	-	-	-	49.8	60	210	36	0.110
F-VEP17P F-VEP17HD	mm	54.8	49.3	240	41	-	-	-	-	0.150
M-VEP17P M-VEP17HD	mm	-	-	-	-	54.8	70	240	41	0.155
F-VEP21P F-VEP21HD	mm	64.5	53.4	270	51	-	-	-	-	0.230
M-VEP21P M-VEP21HD	mm	-	-	-	-	64.5	75	270	51	0.240
F-VEP30P F-VEP30HD	mm	89.8	62.6	340	57	-	-	-	-	0.415
M-VEP30P M-VEP30HD	mm	-	-	-	-	89.8	88	340	57	0.530
F-VEP45	mm	145	88	-	-	-	-	-	-	1.585
M-VEP45	mm	-	-	-	-	145	140	-	-	1.715

Article no.	Price £	Price €
815300070	£20.00	€20.60
815300071	£18.80	€19.40
815300072	£21.80	€22.50
815300073	£25.60	€26.40
815300074	£34.10	€35.20
815300075	£36.00	€37.10
815300076	£36.00	€37.10
815300077	£37.90	€39.10
815300078	£37.90	€39.10
815300079	£41.70	€43.00
815300080	£37.90	€39.10
815300081	£39.80	€41.10
815300082	£94.80	€97.70
815300083	£121.30	€125.10
OR	OR	OR
OR	OR	OR

QUICK CONNECT COUPLINGS



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