



STUCCHI
Innesti Rapidi
Faccia piana a vite



 HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



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VEP-P SERIES

INTERCHANGE > Stucchi VEP profile



Easy CUP

BOP



TECHNICAL FEATURES AND OPTIONS



Interchange

Stucchi VEP profile



Sealing description

Nitrile NBR



Connection system

Screw



Available sizes

from 1/4" to 2"



Material/treatment

Carbon steel /Cr3+QPQ



Available threads

BSP - NPT - SAE



Operating pressure

Up to 600 bar



Locking mechanism

Screw to connect



Flow rate

Up to 1000 l/min



Temperature (°C)

-20°C / +100°C



Valving style

Flat face



Connection under pressure

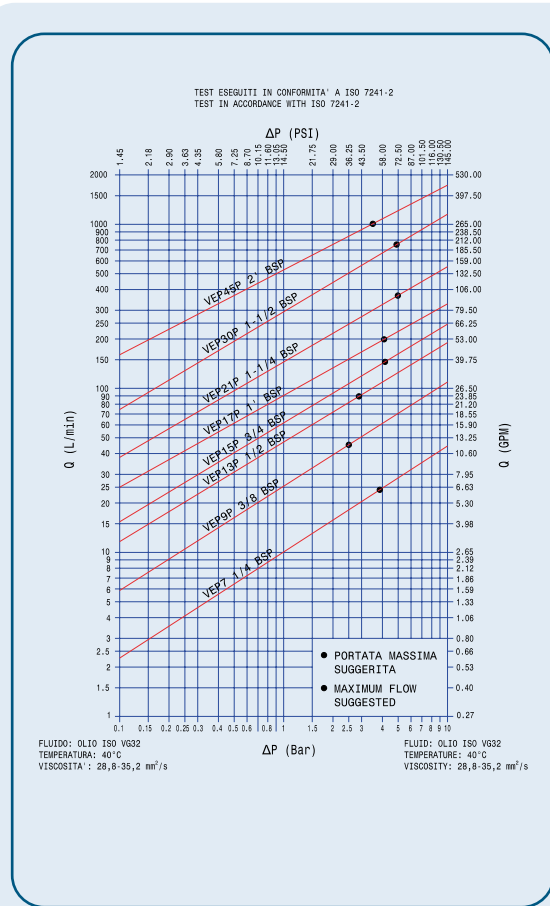
Connection: Both sides (see Benefits).
Disconnection: Allowed (see Benefits).

BENEFITS

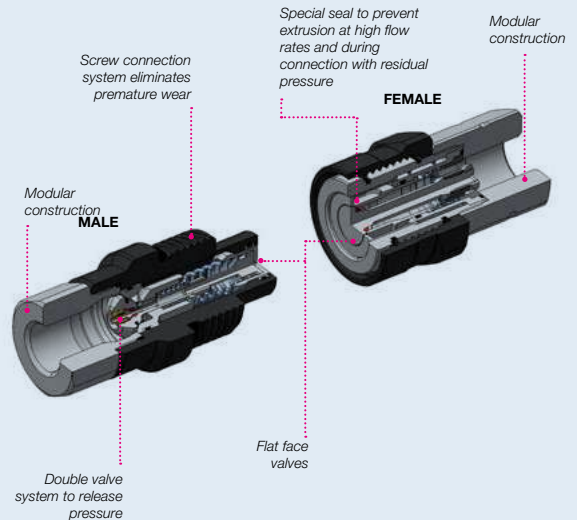
- Easy connection/disconnection with both side under residual pressure thanks to the Stucchi design.
- Flat face is easy to clean, reducing the inclusion of contamination inside the hydraulic circuit.
- Specific dimensions of Stucchi VEP-P series are certified with Lloyd Type Approval in accordance with API 16D at specific rating pressure of 345 bar/5000 PSI. For complete technical information please contact technical Stucchi support.
- Minimal fluid spillage during disconnection, reducing fluid spillage to the environment.
- Minimal air inclusion during connection.
- Internal valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Internal pressure release valve system allows an easy connection with high internal residual pressure.
- The modular design allows flexibility with a wide range of configurations.
- High resistance to pressure impulses.
- Safe and simple to use.

HOW TO USE

- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in 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 disconnect turn sleeve from contact position using a wrench, then unscrew making sure the couplings stay aligned through the entire process.



FLAT FACE SCREW



MAIN APPLICATIONS



Agriculture



Oil & Gas



Industry



High Pressure



Cooling



Refrigeration



Earth Moving



Vehicles



Hydraulic Equipment



Chemical & Food Industry


PERFORMANCES

Size	Series/Size	Max. flow suggested		Manual connect torque		Manual disconnect torque		Tightening torque		Spillage*
		l/min	gpm	Nm	lbf ft	Nm	lbf ft	Nm	lbf ft	
1/4	VEP7	24	6,36	2,8	2,06	1,9	1,40	40-50	29-37	0,01
3/8	VEP9P	46	12,19	2,2	1,62	1,4	1,03	50-60	37-44	0,04
1/2	VEP13P	90	23,85	1,8	1,33	1,4	1,03	65-75	48-55	0,02
5/8	VEP15P	148	39,22	3,0	2,21	1,8	1,33	70-80	52-59	0,03
3/4	VEP17P	200	53,00	5,6	4,13	3,6	2,65	90-110	66-81	0,01
1	VEP21P	378	100,17	8,2	6,04	5,8	4,27	125-145	92-107	0,06
1-1/2	VEP30P	750	198,75	26,0	19,16	12,5	9,21	155-175	114-129	0,20
2	VEP45P	1000	265,00	40,0	29,48	40,0	29,48	320-350	236-258	0,35

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
in		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
1/4	VEP7	60	8700	60	8700	42	6090	150	21750	150	21750	126	18270
3/8	VEP9P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
1/2	VEP13P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
5/8	VEP15P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
3/4	VEP17P	50	7250	50	7250	33	4785	125	18125	125	18125	100	14500
1	VEP21P	47	6815	47	6815	30	4350	120	17400	120	17400	80	11600
1-1/2	VEP30P	40	5800	40	5800	27	3915	110	15950	110	15950	80	11600
2	VEP45P	35	5075	35	5075	27	3915	110	15950	110	15950	80	11600

Size	Series/Size	Max. residual pressure during connection						Max. residual pressure during disconnection	
		Male, female to drain		Female, male to drain		Male and Female		MPa	psi
in		MPa	psi	MPa	psi	MPa	psi	MPa	psi
1/4	VEP7	30	4350	30	4350	25	3625	25	3625
3/8	VEP9P	25	3625	25	3625	25	3625	25	3625
1/2	VEP13P	25	3625	25	3625	20	2900	20	2900
5/8	VEP15P	25	3625	25	3625	20	2900	20	2900
3/4	VEP17P	25	3625	25	3625	15	2175	15	2175
1	VEP21P	25	3625	25	3625	15	2175	15	2175
1-1/2	VEP30P	25	3625	25	3625	5	725	5	725
2	VEP45P	25	3625	20	2900	2	290	2	290

* Spillage is an indicative value of the fluid loss during disconnection (according to ISO norm test method). The torque will increase as internal residual pressure increases.

 Only configurations mentioned in the dedicated BOP section of this catalog are BOP certified. For complete technical information please contact Stucchi Technical Support.

Note:

VEP7 has metal to metal sealing system in the internal valve of male and in the valve of female coupling. Different male thread are available upon request. VEP45P is available with flange port and flange head connection configuration (code 62) upon request. For complete technical information please contact Stucchi Technical Support.

Different possible configurations:

Different threads available upon request.

Temperature range:

Standard seals NBR, PUR, POM from -20 °C to +100 °C (from -4 °F to +212 °F). Please read carefully Instructions and warnings for proper selection of the products.

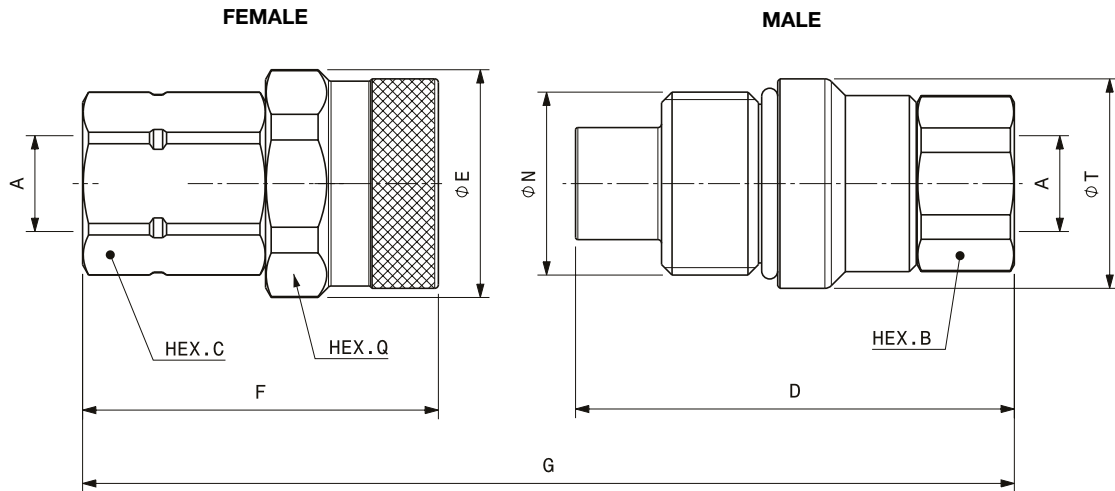
Tests performed:

The couplings have been tested at max. operating pressure for 100.000 impulses in according to ISO norm. The VEP45P coupled and male have been tested for 1.000.000 impulses.

Connection and disconnection with residual pressure in both couplings is recommended for occasional operations only.

For ordinary operations it is suggested to release pressure in one side before to connect and disconnect in way that operator effort and wearing of the couplings are reduced.

OVERALL DIMENSIONS



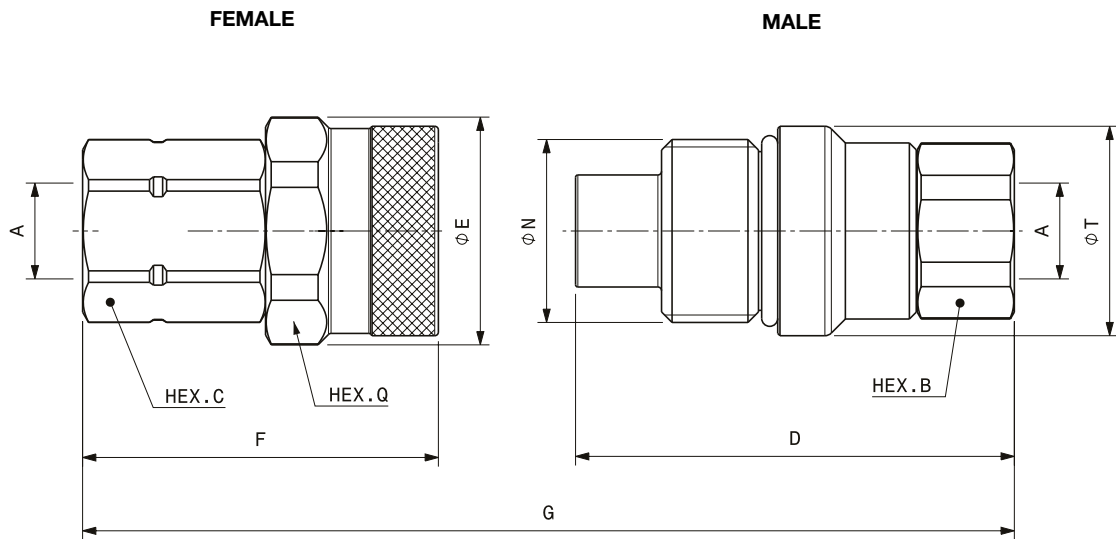
Port description: FEMALE THREAD BSPP (ISO 1179-1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		Hex		Hex		Diameter		Weight							
						mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb				
1/4"	F VEP7 1/4 BSP	Female 806500008	1/4"	M30x2	G	113,3	4,46	F	54,1	2,13	C	27,0	1,06	Q	36,0	1,42	E	38,8	1,53	0,25	0,55
	M VEP7 1/4 BSP	Male 806500009						D	71,0	2,80	B	22,0	0,87	T	34,8	1,37	0,23	0,51			
3/8"	F VEP9P 3/8 BSP	Female 807200002	3/8"	M33x2	G	131,3	5,17	F	65,8	2,59	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,33	0,73
	M VEP9P 3/8 BSP	Male 807200003						D	82,5	3,25	B	27,0	1,06	T	37,8	1,49	0,33	0,72			
3/8"	F VEP9P 1/2 BSP	Female 807200004	1/2"	M33x2	G	138,8	5,46	F	70,8	2,79	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,34	0,75
	M VEP9P 1/2 BSP	Male 807200005						D	85,0	3,35	B	27,0	1,06	T	37,8	1,49	0,32	0,71			
1/2"	F VEP13P 1/2 BSP	Female 807200006	1/2"	M40x3	G	154,6	6,09	F	77,8	3,06	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,62	1,36
	M VEP13P 1/2 BSP	Male 807200007						D	95,0	3,74	B	36,0	1,42	T	45,8	1,80	0,60	1,32			
1/2"	F VEP13P 3/4 BSP	Female 807200008	3/4"	M40x3	G	164,0	6,46	F	84,8	3,34	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,59	1,30
	M VEP13P 3/4 BSP	Male 807200009						D	97,4	3,83	B	36,0	1,42	T	45,8	1,80	0,58	1,28			
5/8"	F VEP15P 3/4 BSP	Female 807200010	3/4"	M45x3	G	165,4	6,51	F	84,9	3,34	C	41,0	1,61	Q	50,0	1,97	E	53,8	2,12	0,76	1,68
	M VEP15P 3/4 BSP	Male 807200011						D	99,0	3,90	B	36,0	1,42	T	49,8	1,96	0,67	1,48			
3/4"	F VEP17P 3/4 BSP	Female 807200024	3/4"	M50x3	G	188,5	7,42	F	97,7	3,85	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,16	0,05
	M VEP17P 3/4 BSP	Male 807200025						D	113,6	4,47	B	46,0	1,81	T	54,8	2,16	1,13	0,04			
3/4"	F VEP17P 1 BSP	Female 807200012	1"	M50x3	G	190,5	7,50	F	99,7	3,93	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,12	2,46
	M VEP17P 1 BSP	Male 807200013						D	113,6	4,47	B	46,0	1,81	T	54,8	2,16	1,02	2,24			
1"	F VEP21P 1 BSP	Female 807200020	1"	M58x3	G	205,2	8,08	F	105,8	4,17	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,78	3,92
	M VEP21P 1 BSP	Male 807200021						D	123,4	4,86	B	55,0	2,17	T	64,5	2,54	1,54	3,40			
1"	F VEP21P 1-1/4 BSP	Female 807200014	1-1/4"	M58x3	G	206,2	8,12	F	106,8	4,20	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,69	3,71
	M VEP21P 1-1/4 BSP	Male 807200015						D	123,4	4,86	B	55,0	2,17	T	64,5	2,54	1,44	3,17			
1-1/2"	F VEP30P 1-1/4 BSP	Female 807200022	1-1/4"	80x4 TpF	G	253,9	10,00	F	133,5	5,26	C	65,0	2,56	Q	85,0	3,35	E	92,0	3,62	3,88	8,55
	M VEP30P 1-1/4 BSP	Male 807200023						D	150,0	5,91	B	65,0	2,56	T	89,8	3,54	3,25	7,15			
1-1/2"	F VEP30P 1-1/2 BSP	Female 807200016	1-1/2"	80x4 TpF	G	253,9	10,00	F	133,5	5,26	C	65,0	2,56	Q	85,0	3,35	E	92,0	3,62	3,81	8,40
	M VEP30P 1-1/2 BSP	Male 807200017						D	150,0	5,91	B	65,0	2,56	T	89,8	3,54	3,20	7,05			
2"	F VEP45P 2 BSP	Female 807200018	2"	M130x6	G	383,5	15,10	F	224,8	8,85	C	90,0	3,54	Q	-	-	E	200,0	7,87	14,68	32,36
	M VEP45P 2 BSP	Male 807200019						D	218,4	8,60	B	90,0	3,54	T	145,0	5,71	11,89	26,20			

⚠ WARNING

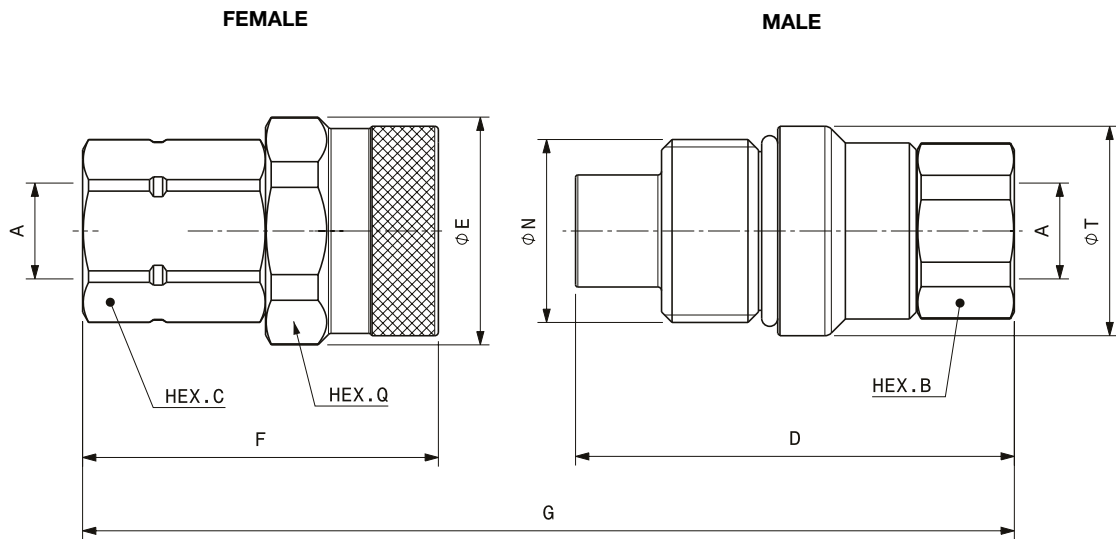
A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects. Connect under pressure products are suitable to be connected under residual (static) pressure. Never connect or disconnect with dynamic pressure (e.g. pump on). Do not use the female coupling disconnected with high impulse pressure. Do not couple-uncouple with flow in the circuit. Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F). Check the maximum allowable working pressure of the port in use. It is important to limit contamination in the circuit to avoid compromising the function of the internal valves. Make sure that the medium used is compatible with seal and material as indicated for each series. In case of doubt please contact Stucchi Technical Support.

The interchangeability is mentioned under the assumption that the manufacturer of the considered products has not changed any dimension. **It is mandatory to carefully read and closely follow the instructions before selecting or using any Stucchi products.** Always refer to the version uploaded in the Instructions and warning section of stucchigroup.com website for the latest release. For specific, product-related, instructions, please contact Stucchi technical service.



Port description: FEMALE THREAD NPT (ANSI B.1.20.1)

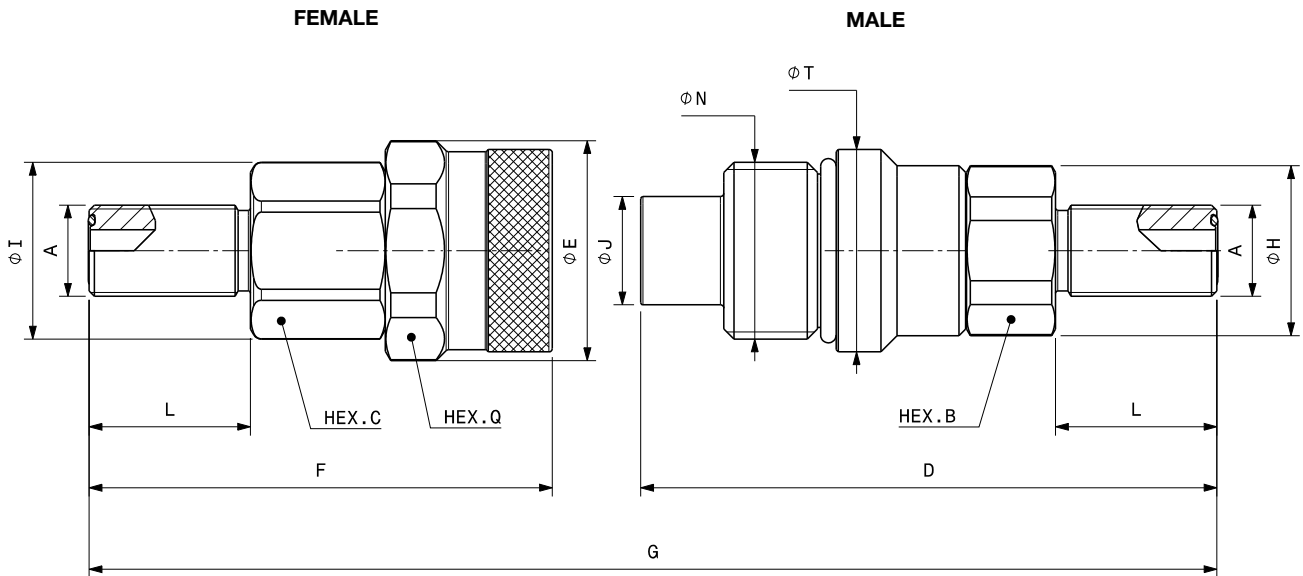
BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		Hex		Hex		Diameter		Weight							
						mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb				
1/4"	F VEP7 1/4 NPT	Female 806501008	1/4"	M30x2	G	113,3	4,46	F	54,1	2,13	C	27,0	1,06	Q	36,0	1,42	E	38,8	1,53	0,25	0,55
	M VEP7 1/4 NPT	Male 806501009						D	71,0	2,80	B	22,0	0,87	T	34,8	1,37	0,24	0,52			
3/8"	F VEP9P 3/8 NPT	Female 807201002	3/8"	M33x2	G	131,3	5,17	F	65,8	2,59	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,34	0,74
	M VEP9P 3/8 NPT	Male 807201003						D	82,5	3,25	B	27,0	1,06	T	37,8	1,49	0,33	0,72			
3/8"	F VEP9P 1/2 NPT	Female 807201004	1/2"	M33x2	G	138,8	5,46	F	70,8	2,79	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,35	0,76
	M VEP9P 1/2 NPT	Male 807201005						D	85,0	3,35	B	27,0	1,06	T	37,8	1,49	0,32	0,71			
1/2"	F VEP13P 1/2 NPT	Female 807201006	1/2"	M40x3	G	154,6	6,09	F	77,8	3,06	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,64	1,40
	M VEP13P 1/2 NPT	Male 807201007						D	95,0	3,74	B	36,0	1,42	T	45,8	1,80	0,61	1,33			
1/2"	F VEP13P 3/4 NPT	Female 807201008	3/4"	M40x3	G	164,10	6,46	F	84,8	3,34	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,65	1,43
	M VEP13P 3/4 NPT	Male 807201009						D	97,5	3,84	B	36,0	1,42	T	45,8	1,80	0,62	1,36			
5/8"	F VEP15P 3/4 NPT	Female 807201010	3/4"	M45x3	G	165,4	6,51	F	84,9	3,34	C	41,0	1,61	Q	50,0	1,97	E	53,8	2,12	0,77	1,69
	M VEP15P 3/4 NPT	Male 807201011						D	99,0	3,90	B	36,0	1,42	T	49,8	1,96	0,69	1,52			
3/4"	F VEP17P 1 NPT	Female 807201012	1"	M50x3	G	190,5	7,50	F	99,7	3,93	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,12	2,46
	M VEP17P 1 NPT	Male 807201013						D	113,6	4,47	B	46,0	1,81	T	54,8	2,16	1,03	2,26			
1"	F VEP21P 1-1/4 NPT	Female 807201014	1-1/4"	M58x3	G	206,2	8,12	F	106,8	4,20	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,70	3,75
	M VEP21P 1-1/4 NPT	Male 807201015						D	123,4	4,86	B	55,0	2,17	T	64,5	2,54	1,47	3,23			
1 1/2"	F VEP30P 1-1/2 NPT	Female 807201016	1-1/2"	80x4 TpF	G	253,9	10,00	F	133,5	5,26	C	65,0	2,56	Q	85,0	3,35	E	92,0	3,62	3,84	8,47
	M VEP30P 1-1/2 NPT	Male 807201017						D	150,0	5,91	B	65,0	2,56	T	89,8	3,54	3,18	7,01			
2"	F VEP45P 2 NPT	Female 807201018	2"	M130x6	G	383,5	15,10	F	224,8	8,85	C	90,0	3,54	Q	-	-	E	200,0	7,87	14,76	32,54
	M VEP45P 2 NPT	Male 807201019						D	218,4	8,60	B	90,0	3,54	T	145,0	5,71	11,67	25,73			



Port description: FEMALE THREAD SAE (ISO11926-1 & SAE J1926-1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		Hex		Hex		Diameter		Weight							
						mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb				
1/4"	F VEP7 3/8 SAE	Female 806504008	9/16-18UNF	M30x2	G	118,1	4,65	F	57,1	2,25	C	27,0	1,06	Q	36,0	1,42	E	38,8	1,53	0,25	0,55
	M VEP7 3/8 SAE	Male 806504009						D	72,8	2,87	B	22,0	0,87	T	34,8	1,37	0,23	0,51			
3/8"	F VEP9P 3/8 SAE	Female 807204000	9/16-18UNF	M33x2	G	132,5	5,22	F	65,8	2,59	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,37	0,81
	M VEP9P 3/8 SAE	Male 807204001						D	83,7	3,30	B	27,0	1,06	T	37,8	1,49	0,35	0,77			
3/8"	F VEP9P 1/2 SAE	Female 807204002	3/4-16UNF	M33x2	G	140,8	5,54	F	70,8	2,79	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,35	0,76
	M VEP9P 1/2 SAE	Male 807204003						D	87,0	3,43	B	27,0	1,06	T	37,8	1,49	0,33	0,73			
1/2"	F VEP13P 1/2 SAE	Female 807204006	3/4-16UNF	M40x3	G	160,10	6,30	F	77,8	3,06	C	36,0	1,42	Q	46,0	1,81	E	45,8	1,80	0,63	1,39
	M VEP13P 1/2 SAE	Male 807204007						D	100,5	3,96	B	36,0	1,42	T	45,8	1,80	0,67	1,48			
1/2"	F VEP13P 3/4 SAE	Female 807204008	1-1/16-12UNF	M40x3	G	167,0	6,57	F	84,8	3,34	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,58	1,28
	M VEP13P 3/4 SAE	Male 807204009						D	100,4	3,95	B	36,0	1,42	T	45,8	1,80	0,59	1,29			
5/8"	F VEP15P 3/4 SAE	Female 807204010	1-1/16-12UNF	M45x3	G	168,4	6,63	F	84,9	3,34	C	41,0	1,61	Q	50,0	1,97	E	53,8	2,12	0,59	1,29
	M VEP15P 3/4 SAE	Male 807204011						D	102,0	4,02	B	36,0	1,42	T	49,8	1,96	0,68	1,49			
3/4"	F VEP17P 3/4 SAE	Female 807204022	1-1/16-12UNF	M50x3	G	192,5	7,58	F	99,7	3,93	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	-	-
	M VEP17P 3/4 SAE	Male 807204023						D	115,6	4,55	B	46,0	1,81	T	54,8	2,16	1,14	2,51			
3/4"	F VEP17P 1 SAE	Female 807204012	1-5/16-12UNF	M50x3	G	190,5	7,50	F	99,7	3,93	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,12	2,46
	M VEP17P 1 SAE	Male 807204013						D	113,6	4,47	B	46,0	1,81	T	54,8	2,16	1,01	2,23			
1"	F VEP21P 1 SAE	Female 807204024	1-5/16-12UNF	M58x3	G	207,2	8,16	F	105,8	4,17	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	-	-
	M VEP21P 1 SAE	Male 807204025						D	125,4	4,94	B	55,0	2,17	T	64,5	2,54	-	-			
1"	F VEP21P 1-1/4 SAE	Female 807204014	1-5/8-12UNF	M58x3	G	206,2	8,12	F	106,8	4,20	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,68	3,70
	M VEP21P 1-1/4 SAE	Male 807204015						D	123,4	4,86	B	55,0	2,17	T	64,5	2,54	1,46	3,22			
1-1/2"	F VEP30P 1-1/4 SAE	Female 807204026 *	1-5/8-12UNF	80x4 TpF	G	253,9	10,00	F	133,5	5,26	C	65,0	2,56	Q	85,0	3,35	E	92,0	3,62	-	-
	M VEP30P 1-1/4 SAE	Male 807204027 *						D	150,0	5,91	B	65,0	2,56	T	89,8	3,54	-	-			
1-1/2"	F VEP30P 1-1/2 SAE	Female 807204016	1-7/8-12UNF	80x4 TpF	G	253,9	10,00	F	133,5	5,26	C	65,0	2,56	Q	85,0	3,35	E	92,0	3,62	3,82	8,41
	M VEP30P 1-1/2 SAE	Male 807204017						D	150,0	5,91	B	65,0	2,56	T	89,8	3,54	3,16	6,96			
2"	F VEP45P 2 SAE	807204018	2-1/2-12UNF	M130x6	G	383,5	15,10	F	224,8	8,85	C	90,0	3,54	Q	-	-	E	200,0	7,87	14,60	32,19
	M VEP45P 2 SAE	807204019						D	218,4	8,60	B	90,0	3,54	T	145,0	5,71	12,18	25,85			

* Available upon request.



Port description: MALE THREAD ORFS/ORFS BULKHEAD (SAE J1453 or ISO 8434-3)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		L Port length		Hex		Hex		Diameter		Weight								
						mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb							
3/8"	F VEP9P 3/8 ORFS	Female	807213002	11/16-16UN	M33x2	G	149,8	5,90	F	73,1	2,88	11	0,433	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,35	0,77
	M VEP9P 3/8 ORFS	Male	807213003						D	93,7	3,69			B	27,0	1,06			T	37,8	1,49	0,36	0,79	
3/8"	F VEP9P 3/8 ORFS BH	Female	807213016	11/16-16UN	M33x2	G	195,8	7,71	F	96,1	3,78	34	1,339	C	30,0	1,18	Q	38,0	1,50	E	41,8	1,65	0,38	0,84
	M VEP9P 3/8 ORFS BH	Male	807213017						D	116,7	4,59			B	27,0	1,06			T	37,8	1,49	0,39	0,86	
1/2"	F VEP13P 1/2 ORFS	Female	807213004	13/16-16UN	M40x3	G	170,0	6,69	F	81,3	3,20	13	0,512	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,64	1,41
	M VEP13P 1/2 ORFS	Male	807213005						D	106,9	4,21			B	36,0	1,42			T	45,8	1,80	0,65	1,43	
1/2"	F VEP13P 1/2 ORFS BH	Female	807213018	13/16-16UN	M40x3	G	217,0	8,54	F	104,8	4,13	36,5	1,437	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,61	1,34
	M VEP13P 1/2 ORFS BH	Male	807213019						D	130,4	5,13			B	36,0	1,42			T	45,8	1,80	0,66	1,45	
5/8"	F VEP15P 3/4 ORFS	Female	807213006	1-3/16-12UN	M45x3	G	180,9	7,12	F	88,0	3,46	17	0,669	C	41,0	1,61	Q	50,0	1,97	E	53,8	2,12	0,73	1,61
	M VEP15P 3/4 ORFS	Male	807213007						D	111,4	4,39			B	36,0	1,42			T	49,8	1,96	0,74	1,63	
5/8"	F VEP15P 3/4 ORFS BH	Female	807213020	1-3/16-12UN	M45x3	G	229,9	9,05	F	112,5	4,43	41,5	1,634	C	41,0	1,61	Q	50,0	1,97	E	53,8	2,12	0,82	1,80
	M VEP15P 3/4 ORFS BH	Male	807213021						D	135,9	5,35			B	36,0	1,42			T	49,8	1,96	0,78	1,72	
3/4"	F VEP17P 1 ORFS	Female	807213008	1-7/16-12UN	M50x3	G	211,3	8,32	F	108,7	4,28	17,5	0,689	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,19	2,62
	M VEP17P 1 ORFS	Male	807213009						D	125,4	4,94			B	46,0	1,81			T	54,8	2,16	1,11	2,44	
3/4"	F VEP17P 1 ORFS BH	Female	807213022	1-7/16-12UN	M50x3	G	260,5	10,26	F	133,4	5,25	42	1,654	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,32	2,90
	M VEP17P 1 ORFS BH	Male	807213023						D	149,9	5,90			B	46,0	1,81			T	54,8	2,16	1,21	2,66	
1-1/2"	F VEP21P 1-1/4 ORFS	Female	807213010	1-11/16-12UN	M58x3	G	215,5	8,48	F	110,3	4,34	17,5	0,689	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,73	3,81
	M VEP21P 1-1/4 ORFS	Male	807213011						D	129,2	5,09			B	55,0	2,17			T	64,5	2,54	1,51	3,32	
1-1/2"	F VEP21P 1-1/4 ORFS BH	Female	807213024	1-11/16-12UN	M58x3	G	264,5	10,41	F	134,8	5,31	42	1,654	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,85	4,07
	M VEP21P 1-1/4 ORFS BH	Male	807213025						D	153,7	6,05			B	55,0	2,17			T	64,5	2,54	1,67	3,67	

Locknuts available upon request.

Zinc Nickel version

VEP-P Series is available upon request also in Zinc Nickel version.

The Zinc Nickel plating ensures high resistance to corrosion and it is ideal for hydraulic equipment applications where an improved corrosion resistance is necessary.

For specific codes, configuration or any other information, please contact Stucchi Technical Support.



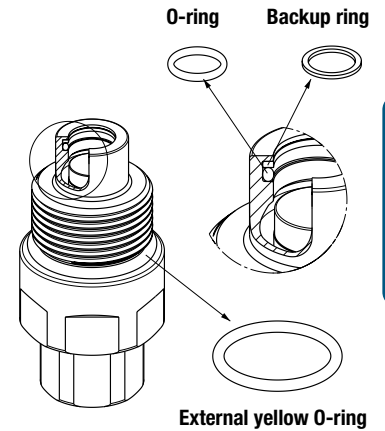


SPARE KIT SEAL FOR MALE

Repair kit / OR+BK+EXTERNAL OR		
Body Size	Description	Part Number
1/4"	M VEP7	815700735
3/8"	M VEP9P	815700736
1/2"	M VEP13P	815700737
5/8"	M VEP15P	815700738
3/4"	M VEP17P	815700739
1"	M VEP21P	815700740
1-1/2"	M VEP30P*	815700741
2"	M VEP45P	815700728

* OR + O-Ring holder

O-Ring in Nitrile
BackUp in Teflon®



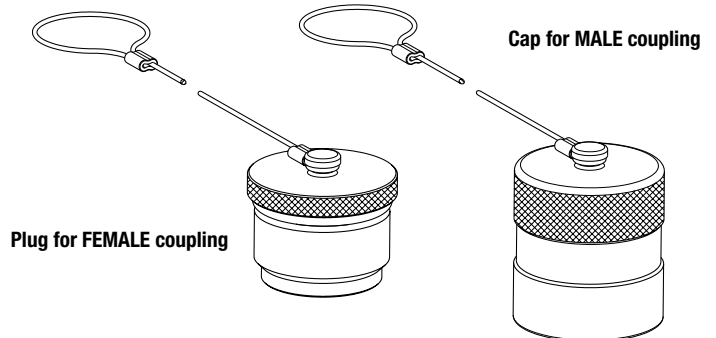
PROTECTIVE CAPS FOR VEP-P SERIES

Protective caps are always recommended to protect the couplings from damage, dirt inclusion, and will increase the product life. This is particularly important in mobile applications where exposure to weather and aggregate materials are common.

For VEP-P two solutions are available:

- threaded aluminum cap with lanyard (standard colors: natural aluminum, other colors available upon request)
- threaded plastic cap with lanyard (standard color black).

Caps and plugs are also available without lanyard, upon request.



Body Size/Description	Protective Cap		Material/Color
	Part Number	Part Number	
	Plug for Female	Cap for Male	
1/4" VEP7	815305070	815305071	Aluminum/Natural
3/8" VEP9	815305072	815305073	Aluminum/Natural
1/2" VEP13	815305074	815305075	Aluminum/Natural
5/8" VEP15	815305076	815305077	Aluminum/Natural
3/4" VEP17	815305078	815305079	Aluminum/Natural
1" VEP21	815305080	815305081	Aluminum/Natural
1-1/2" VEP30	815305082	815305083	Aluminum/Natural
2" VEP45	815305042	815305043	Aluminum/Natural

Body Size/Description	Protective Cap		Material/Color
	Part Number	Part Number	
	Plug for Female	Cap for Male	
1/2" VEP13	815303128	815303129	Plastic/Black
5/8" VEP15	815303130	815303131	Plastic/Black
3/4" VEP17	815303132	815303133	Plastic/Black
1" VEP21	815303134	815303135	Plastic/Black
1-1/2" VEP30	815303136	815303137	Plastic/Black



VEP-HD SERIES

INTERCHANGE > Stucchi VEP profile



Easy CUP

BOP



TECHNICAL FEATURES AND OPTIONS

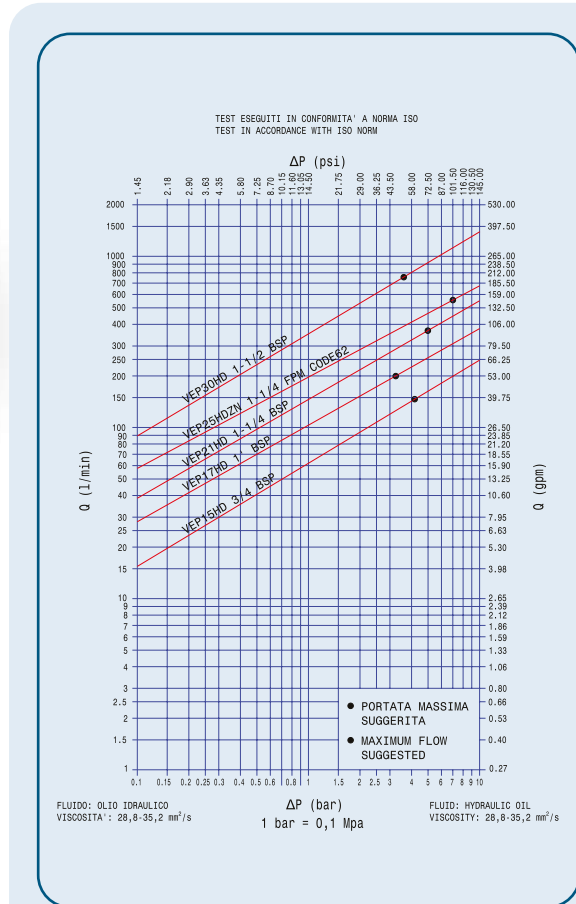
Interchange Stucchi VEP profile	Sealing description Nitrile NBR	Connection system Screw HDL version= lock system
Available sizes from 5/8" to 1-1/2"	Material /treatment Carbon steel /QPQ (Zn-Ni size 25)	Available threads BSP - NPT - SAE - FLANGE
Operating pressure Up to 550 bar	Locking mechanism Screw to connect	Flow rate Up to 750 l/min
Temperature (°C) -20°C / +100°C	Valving style Flat Face	Connection under pressure Connection: Both sides (see Benefits). Disconnection: Allowed (see Benefits).

BENEFITS

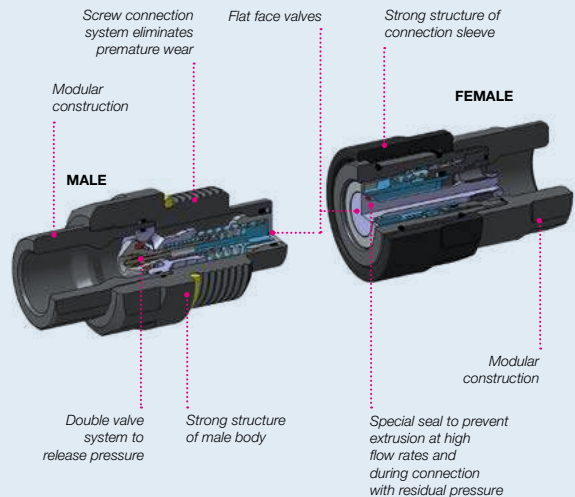
- Easy connection/disconnection with both side under residual pressure thanks to the Stucchi design.
- Flat face is easy to clean, reducing the inclusion of contamination inside the hydraulic circuit.
- AVEP15HD, VEP17HD, VEP21HD and VEP30HD are certified with Lloyd Type Approval in accordance with API 16D at specific rating pressure of 345 bar/5000 psi. For complete technical information please contact Stucchi Technical Support.
- Minimal fluid spillage during disconnection, reducing fluid spillage to the environment.
- Minimal air inclusion during connection.
- Internal valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Internal pressure release valve system allows an easy connection with high internal residual pressure.
- The modular design allows flexibility with a wide range of configurations.
- High resistance to pressure impulses.
- Safe and simple to use.
- HDL version= lock system included.

HOW TO USE

- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in 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 disconnect turn sleeve from contact position using a wrench, then unscrew making sure the couplings stay aligned through the entire process.
- HDL version: in addition to the instructions here above remove external yellow O-ring on the male. To connect: 1st step connect by hand till metal to metal contact; 2nd step use tool to reach proper Tightening torque as indicated in the specific table; 3rd step insert cotter pin.
- Provide an adequate maintenance of the parts (washing with clear water, lubricating and greasing the QPQ surface) to extend the life in corrosive environment.



FLAT FACE SCREW



Size 25 has Zn-Ni as standard treatment

MAIN APPLICATIONS



PERFORMANCES VEP-HD, VEP-HDL ALL THREADS

Size	Series/Size	Max. flow suggested		Manual connect torque		Manual disconnect torque		Tightening torque		Spillage*
		l/min	gpm	Nm	lbf ft	Nm	lbf ft	Nm	lbf ft	
5/8	VEP15HD	148	39,22	3,0	2,21	1,8	1,33	70-80	52-59	0,03
3/4	VEP17HD	200	53,00	5,6	4,13	3,6	2,65	110-130	81-96	0,02
1	VEP21HD	378	100,17	8,2	6,04	5,8	4,27	125-145	92-107	0,06
1-1/4	VEP25HDZN	576	152,64	8,5	6,27	6,0	4,43	140-160	103-118	0,06
1-1/2	VEP30HD	750	198,75	26,0	19,16	12,5	9,21	155-175	114-129	0,20

PERFORMANCES FOR VEP-HD, VEP-HDL STANDARD THREADS

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
in		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
5/8	VEP15HD	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
3/4	VEP17HD	50	7250	50	7250	33	4785	125	18130	125	18130	100	14500
1	VEP21HD	47	6815	47	6815	30	4350	120	17400	120	17400	80	11600
1-1/4	VEP25HDZN	42	6090	42	6090	30	4350	120	17400	120	17400	80	11600
1-1/2	VEP30HD	40	5800	40	800	27	3915	110	15950	110	15950	80	11600

Size	Series/Size	Max. residual pressure during connection						Max. residual pressure during disconnection	
		Male, female to drain		Female, male to drain		Male and female		MPa	psi
in		MPa	psi	MPa	psi	MPa	psi	MPa	psi
5/8	VEP15HD	25	3625	25	3625	20	2900	20	2900
3/4	VEP17HD	25	3625	25	3625	15	2175	15	2175
1	VEP21HD	25	3625	25	3625	15	2175	15	2175
1-1/4	VEP25HDZN	25	3625	25	3625	5	725	5	2175
1-1/2	VEP30HD	25	3625	25	3625	5	725	5	725

PERFORMANCES VEP-HD & VEP-HDL FLANGE

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
in		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
3/4	VEP17HD FLANGE	42	6090	42	6090	33	4785	165	24000	165	24000	100	14500
1	VEP21HD FLANGE	42	6090	42	6090	30	4350	165	24000	165	24000	80	11600
1-1/4	VEP25HDZN FLANGE	42	6090	42	6090	30	4350	165	24000	165	24000	80	11600
1-1/2	VEP30HD FLANGE	42	6090	42	6090	27	3915	165	24000	165	24000	80	11600

Size	Series/Size	Tightening torque		Max. residual pressure during connection						Max. residual pressure during disconnection	
		Nm	lbf ft	Male, female to drain		Female, male to drain		Male and female		MPa	psi
in				MPa	psi	MPa	psi	MPa	psi	MPa	psi
3/4	VEP17HD FLANGE	110-130	81-96	25	3625	25	3625	15	2175	15	2175
1	VEP21HD FLANGE	125-145	92-107	25	3625	25	3625	15	2175	15	2175
1-1/4	VEP25HDZN FLANGE	140-160	103-118	25	3625	25	3625	5	725	5	725
1-1/2	VEP30HD FLANGE	155-175	114-129	25	3625	25	3625	5	725	5	725

* Spillage is an indicative value of the fluid loss during disconnection (according to ISO norm test method). Connect torque and disconnect torque without residual pressure. The torque will increase as internal residual pressure increases.

Port configurations include internal female threads:

- BSP, NPT and SAE.
- CODE62 flange ports (ISO 6162-2 and SAE J518 interchangeable).

Two ports options are available:

FP "Flange Port" (4 bolt mating configuration).

FH "Flange Head" (head configuration and sealing groove).

BOP Only configurations mentioned in the dedicated BOP section of this catalog are BOP certified.

Different possible configurations:

Zn-Ni treatment is a standard for VEP25HD and available upon request for the others size.

Different threads available upon request.

Temperature range:

Standard seals NBR, PUR, POM from -20 °C to +100 °C (from -4 °F to +212 °F). Please read carefully Instructions and warnings for proper selection of the products.

Tests:

The couplings have been tested in according to ISO norm.

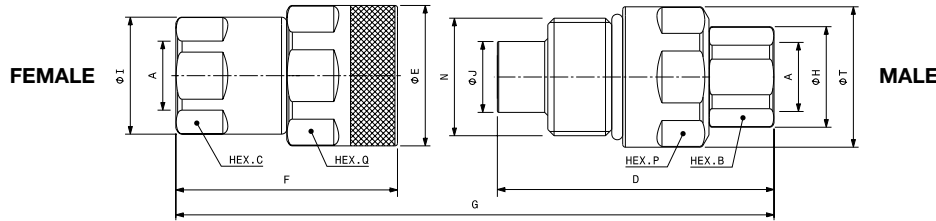
The couplings coupled have been tested at max. operating pressure for 1.000.000 impulses (VEP15HD and VEP25HDZN 500.000 impulses).

The couplings uncoupled have been tested at max. operating pressure for 100.000 impulses.

Connection and disconnection with residual pressure in both couplings is recommended for occasional operations only.

For ordinary operations it is suggested to release pressure in one side before to connect and disconnect in way that operator effort and wearing of the couplings are reduced.

OVERALL DIMENSIONS



Port description: FEMALE THREAD BSPP (ISO 1179-1)

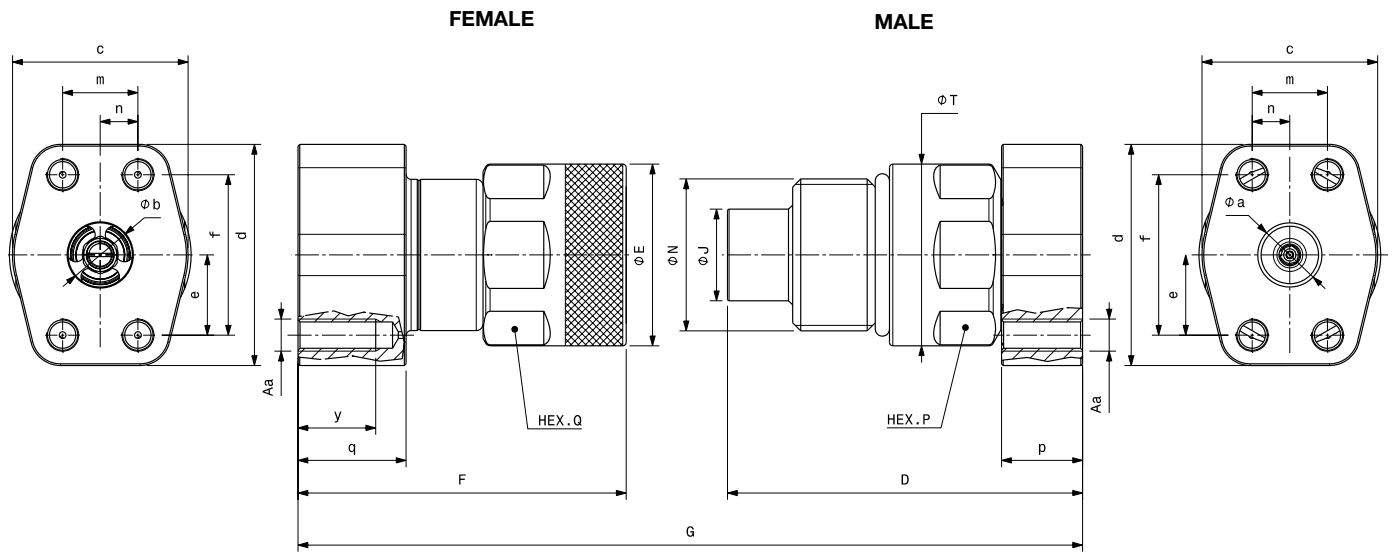
BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		Hex		Hex		Diameter		Weight		
						mm	in	mm	in	mm	in	mm	in	mm	in	kg
5/8"	F VEP15HD 3/4 BSP	Female 808100010	3/4"	M45x3	G 172,4	6,79	F 84,9	3,34	C 41,0	1,61	Q 50,0	1,97	E 53,8	2,12	0,92	2,03
	M VEP15HD 3/4 BSP	Male 808100011					D 106	4,17	B 36,0	1,42	P 50,0	1,97	T 53,8	2,12	0,94	2,07
3/4"	F VEP17HD 3/4 BSP	Female 808100018	3/4"	M50x3	G 200,9	7,91	F 99,7	3,93	C 46,0	1,81	Q 55,0	2,17	E 58,8	2,12	1,33	2,93
	M VEP17HD 3/4 BSP	Male 808100019					D 124,0	4,88	B 46,0	1,81	P 55,0	2,17	T 58,8	2,12	1,36	3,00
3/4"	F VEP17HD 1 BSP	Female 808100012	1"	M50x3	G 200,9	7,91	F 99,7	3,93	C 46,0	1,81	Q 55,0	2,17	E 58,8	2,31	1,28	2,82
	M VEP17HD 1 BSP	Male 808100013					D 124,0	4,88	B 46,0	1,81	P 55,0	2,17	T 58,8	2,31	1,30	2,87
1"	F VEP21HD 1 BSP	Female 808100020	1"	M58x3	G 216,2	8,51	F 106,8	4,20	C 55,0	2,17	Q 65,0	2,56	E 69,8	2,75	2,10	4,61
	M VEP21HD 1 BSP	Male 808100021					D 133,4	5,25	B 55,0	2,17	P 65,0	2,56	T 69,8	2,75	1,78	3,92
1"	F VEP21HD 1-1/4 BSP	Female 808100014	1-1/4"	M58x3	G 216,2	8,51	F 106,8	4,20	C 55,0	2,17	Q 65,0	2,56	E 69,8	2,75	2,02	4,45
	M VEP21HD 1-1/4 BSP	Male 808100015					D 133,4	5,25	B 55,0	2,17	P 65,0	2,56	T 69,8	2,75	1,79	3,95
1-1/4"	F VEP25HDZN 1-1/4 BSP	Female 812200010	1-1/4"	Rd68 x1/6	G 230,0	9,06	F 115,6	4,55	C 55,0	2,17	Q 75,0	2,95	E 80,0	3,15	2,68	5,91
	M VEP25HDZN 1-1/4 BSP	Male 812200011					D 141,8	5,58	B 65,0	2,56	P 70,0	2,76	T 80,0	3,15	2,44	5,38
1-1/2"	F VEP30HD 1-1/4 BSP	Female 808100022	1-1/4"	80x4 TpF	G 253,9	10,00	F 133,5	5,26	C 65,0	2,56	Q 85,0	3,35	E 95,0	3,74	4,40	9,69
	M VEP30HD 1-1/4 BSP	Male 808100023					D 150,0	5,91	B 65,0	2,56	P 75,0	2,95	T 82,5	3,25	3,36	7,39
1-1/2"	F VEP30HD 1-1/2 BSP	Female 808100016	1-1/2"	80x4 TpF	G 253,9	10,00	F 133,5	5,26	C 65,0	2,56	Q 85,0	3,35	E 95,0	3,74	4,36	9,61
	M VEP30HD 1-1/2 BSP	Male 808100017					D 150,0	5,91	B 65,0	2,56	P 75,0	2,95	T 94,4	3,72	3,30	7,28

Port description: FEMALE THREAD NPT (ANSI B.1.20.1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		Hex		Hex		Diameter		Weight		
						mm	in	mm	in	mm	in	mm	in	mm	in	kg
5/8"	F VEP15HD 3/4 NPT	Female 808101010	3/4"	M45x3	G 172,4	6,79	F 84,9	3,34	C 41,0	1,61	Q 50,0	1,97	E 53,8	2,12	0,93	2,05
	M VEP15HD 3/4 NPT	Male 808101011					D 106	4,17	B 36,0	1,42	P 50,0	1,97	T 53,8	2,12	0,95	2,09
3/4"	F VEP17HD 3/4 NPT	Female 808101018	3/4"	M50x3	G 201,0	7,91	F 99,7	3,93	C 46,0	1,81	Q 55,0	2,17	E 58,8	2,31	1,34	2,95
	M VEP17HD 3/4 NPT	Male 808101019					D 124,1	4,89	B 46,0	1,81	P 55,0	2,17	T 58,8	2,31	1,42	3,13
3/4"	F VEP17HD 1 NPT	Female 808101012	1"	M50x3	G 200,9	7,91	F 99,7	3,93	C 46,0	1,81	Q 55,0	2,17	E 58,8	2,31	1,28	2,82
	M VEP17HD 1 NP	Male 808101013					D 124,0	4,88	B 46,0	1,81	P 55,0	2,17	T 58,8	2,31	1,30	2,87
1"	F VEP21HD 1 NPT	Female 808101020	1"	M58x3	G 216,2	8,51	F 106,8	4,20	C 55,0	2,17	Q 55,0	2,17	E 69,8	2,75	2,11	4,65
	M VEP21HD 1 NPT	Male 808101021					D 133,4	5,25	B 55,0	2,17	P 55,0	2,17	T 69,8	2,75	1,89	4,15
1"	F VEP21HD 1-1/4 NPT	Female 808101014	1-1/4"	M58x3	G 216,2	8,51	F 106,8	4,20	C 55,0	2,17	Q 65,0	2,56	E 69,8	2,75	2,02	4,45
	M VEP21HD 1-1/4 NPT	Male 808101015					D 133,4	5,25	B 55,0	2,17	P 65,0	2,56	T 69,8	2,75	1,79	3,95
1-1/4"	F VEP25HDZN 1-1/4 NPT	Female 812201058	1-1/4"	Rd68 x1/6	G 227,7	8,77	F 110,6	4,35	C 55,0	2,17	Q 75,0	2,95	E 80,0	3,15	2,68	5,91
	M VEP25HDZN 1-1/4 NPT	Male 812201059					D 139,5	5,49	B 65,0	2,56	P 70,0	2,76	T 80,0	3,15	2,44	5,38
1-1/2"	F VEP30HD 1-1/2 NPT	Female 808101016	1-1/2"	80x4 TpF	G 253,9	10,00	F 133,5	5,26	C 65,0	2,56	Q 85,0	3,35	E 95,0	3,74	4,36	9,61
	M VEP30HD 1-1/2 NPT	Male 808101017					D 150,0	5,91	B 65,0	2,56	P 75,0	2,95	T 94,4	3,72	3,30	7,28

Port description: FEMALE THREAD SAE (ISO 11926-1 & SAE J1926-1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	N	Overall Length	Length		Hex		Hex		Diameter		Weight		
						mm	in	mm	in	mm	in	mm	in	mm	in	kg
5/8"	F VEP15HD 3/4 SAE	Female 808104010	1-1/16-12UN	M45x3	G 172,4	6,79	F 84,9	3,34	C 41,0	1,61	Q 50,0	1,97	E 53,8	2,12	0,91	2,01
	M VEP15HD 3/4 SAE	Male 808104011					D 106	4,17	B 41,0	1,61	P 50,0	1,97	T 53,8	2,12	1,0	2,20
3/4"	F VEP17HD 1 SAE	Female 808104012	1-5/16-12UN	M50x3	G 201,9	7,95	F 100,7	3,96	C 46,0	1,81	Q 55,0	2,17	E 58,8	2,31	1,27	2,80
	M VEP17HD 1 SAE	Male 808104013					D 124,0	4,88	B 46,0	1,81	P 55,0	2,17	T 58,8	2,31	1,29	2,84
1"	F VEP21HD 1 SAE	Female 808104020	1-5/16-12UN	M58x3	G 216,2	8,51	F 106,8	4,20	C 55,0	2,17	Q 65,0	2,56	E 69,8	2,75	2,11	4,65
	M VEP21HD 1 SAE	Male 808104021					D 133,4	5,25	B 55,0	2,17	P 65,0	2,56	T 69,8	2,75	1,89	4,15
1"	F VEP21HD 1-1/4 SAE	Female 808104014	1-5/8-12UN	M58x3	G 216,2	8,51	F 106,8	4,20	C 55,0	2,17	Q 65,0	2,56	E 69,8	2,75	2,01	4,43
	M VEP21HD 1-1/4 SAE	Male 808104015					D 133,4	5,25	B 55,0	2,17	P 65,0	2,56	T 69,8	2,75	1,78	3,92
1-1/4"	F VEP25HDZN 1-1/4 SAE	Female 812204058	1-5/8-12UN-2B	Rd68 x1/6	G 227,7	8,77	F 110,6	4,35	C 55,0	2,17	Q 75,0	2,95	E 80,0	3,15	2,68	5,91
	M VEP25HDZN 1-1/4 SAE	Male 812204059					D 139,5	5,49	B 65,0	2,56	P 70,0	2,76	T 80,0	3,15	2,44	5,38
1-1/2"	F VEP30HD 1-1/4 SAE	Female 808104022	1-5/8-12UN-2B	80x4 TpF	G 253,9	10,00	F 133,5	5,26	C 65,0	2,56	Q 85,0	3,35	E 95,0	3,74	4,42	9,73
	M VEP30HD 1-1/4 SAE	Male 808104023					D 150,0	5,91	B 65,0	2,56	P 75,0	2,95	T 94,4	3,72	3,38	7,43
1-1/2"	F VEP30HD 1-1/2 SAE	Female 808104016	1-7/8-12UN	80x4 TpF	G 253,9	10,00	F 133,5	5,26	C 65,0	2,56	Q 85,0	3,35	E 95,0	3,74	4,34	9,56
	M VEP30HD 1-1/2 SAE	Male 808104017					D 150,0	5,91	B 65,0	2,56	P 75,0	2,95	T 94,4	3,72	3,28	7,23



Port description: FLANGE PORT – 4 THREADED HOLES (ISO 6162-2 6000 psi & SAE J518)

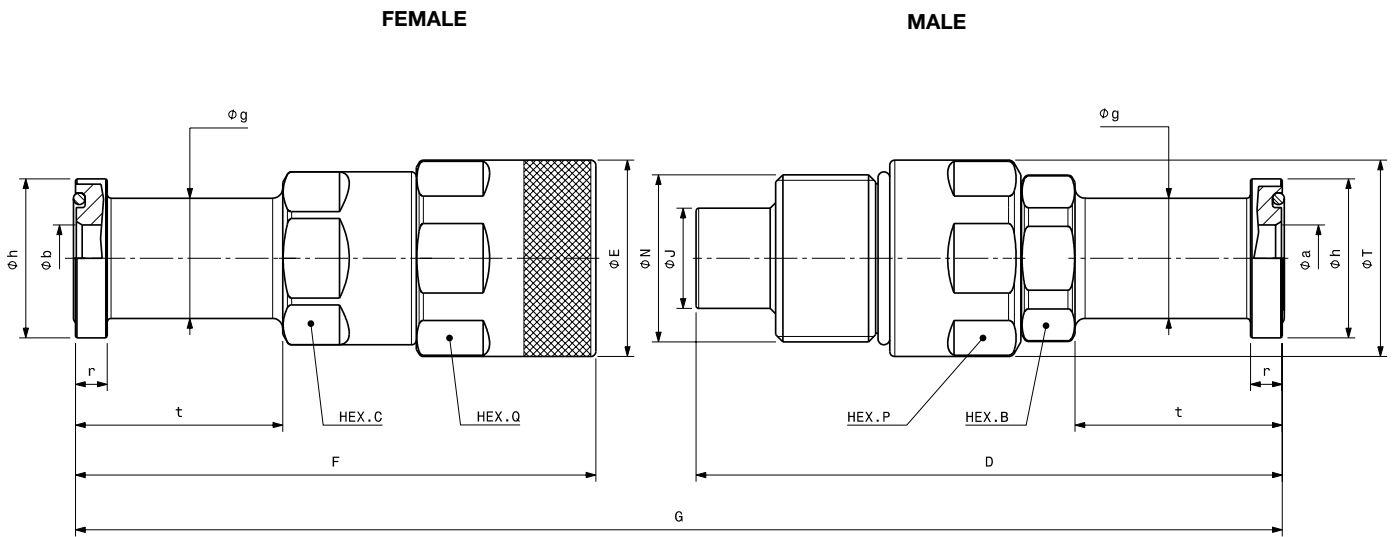
For more detailed dimensions please contact Stucchi Technical support.

BODY SIZE	Descriptive Code	Item Code	Diameter		N	Overall Length		Length		Hex		Diameter		Weight						
			mm	in		mm	in	mm	in	mm	in	mm	in	kg	lb					
3/4"	F VEP17HD 1 FPU CODE62 7/16-14UNC	Female 808124020	b	22,5	0,89	M50x3	G	217,9	8,58	F	115,7	6,13	Q	55,0	2,16	E	58,8	2,31	1,68	3,70
	M VEP17HD 1 FPU CODE62 7/16-14UNC	Male 808124021	a	22,0	0,87					D	125,0	6,90	P	55,0	2,16	T	58,8	2,31	1,65	3,64
1"	F VEP21HD 1 FPM CODE62 M12	Female 808124018	b	22,5	0,89	M58x3	G	228	8,98	F	116,8	4,6	Q	65,0	2,56	E	69,8	2,75	3,00	6,61
	M VEP21HD 1 FPM CODE62 M12	Male 808124019	a	22,5	0,89					D	135,2	5,32	P	65,0	2,56	T	69,8	2,75	2,97	6,55
1"	F VEP21HD 1-1/4 FPM CODE62 M14	Female 808124026	b	25,6	1,01	M58x3	G	228	8,98	F	116,8	4,6	Q	65,0	2,56	E	69,8	2,75	3,39	7,47
	M VEP21HD 1-1/4 FPM CODE62 M14	Male 808124027	a	25,0	0,98					D	135,2	5,32	P	65,0	2,56	T	69,8	2,75	2,97	6,55
1"	F VEP21HD 1-1/4 FPU CODE62 1/2-13UNC	Female 808124022	b	25,6	1,01	M58x3	G	215	8,46	F	115,8	6,72	Q	65,0	2,56	E	69,8	2,75	2,60	5,73
	M VEP21HD 1-1/4 FPU CODE62 1/2-13UNC	Male 808124023	a	25,6	1,01					D	123,2	7,25	P	65,0	2,56	T	69,8	2,75	2,16	4,76
1-1/4"	F VEP25HDZN 1-1/4 FPM CODE62 M12	Female 812224058	b	31,8	1,25	Rd68 x1/6	G	234,5	9,23	F	122,5	4,82	Q	37	1,46	E	80	3,15	3,72	8,20
	M VEP25HDZN 1-1/4 FPM CODE62 M12	Male 812224059	a	31,8	1,25					D	139,4	5,49	P	35	1,38	T	80	3,15	3,28	7,23
1-1/4"	F VEP25HDZN 1-1/4 FPU CODE62 1/2-13UNC	Female 812224060	b	31,8	1,25	Rd68 x1/6	G	234,5	9,23	F	122,5	4,82	Q	37	1,46	E	80	3,15	3,72	8,20
	M VEP25HDZN 1-1/4 FPU CODE62 1/2-13UNC	Male 812224061	a	31,8	1,25					D	139,4	5,49	P	35	1,38	T	80	3,15	3,28	7,23
1-1/2"	F VEP30HD 1-1/4 FPM CODE62 M14	Female 808124034	b	32,0	1,26	80x4 Tr	G	266,5	10,49	F	148,5	8,25	Q	85,0	3,35	E	95,0	3,74	5,23	11,53
	M VEP30HD 1-1/4 FPM CODE62 M14	Male 808124035	a	32,0	1,26					D	147,6	8,33	P	75,0	2,95	T	94,4	3,72	3,85	8,49
1-1/2"	F VEP30HD 1-1/2 FPU CODE62 5/8-11UNC	Female 808124024	b	35,0	1,38	80x4 Tr	G	276,6	10,89	F	156,6	6,17	Q	85,0	3,35	E	95,0	3,74	6,91	15,23
	M VEP30HD 1-1/2 FPU CODE62 5/8-11UNC	Male 808124025	a	32,0	1,26					D	149,6	5,89	P	75,0	2,95	T	94,4	3,72	4,81	10,60
1-1/2"	F VEP30HD 1-1/2 FPM CODE62 M16	Female 808124028	b	35,0	1,38	80x4 Tr	G	262,6	10,34	F	150,6	5,93	Q	85,0	3,35	E	95,0	3,74	6,91	15,23
	M VEP30HD 1-1/2 FPM CODE62 M16	Male 808124029	a	32,0	1,26					D	141,6	5,57	P	75,0	2,95	T	94,4	3,72	4,81	10,60
1-1/2"	F VEP30HD 1-1/4 FPU CODE62 1/2-13UNC	Female 808124036	b	32,0	1,26	TpF80x4	G	266,5	10,49	F	148,5	5,85	Q	85,0	3,35	E	95,0	3,74	5,91	13,02
	M VEP30HD 1-1/4 FPU CODE62 1/2-13UNC	Male 808124037	a	32,0	1,26					D	147,6	5,81	P	75,0	2,95	T	94,4	3,72	4,17	9,19
1-1/2"	F VEP30HD 1-1/4 FPM CODE62 M12	Female 808124040	b	32,0	1,26	TpF80x4	G	266,5	10,49	F	148,5	5,85	Q	85,0	3,35	E	95,0	3,74	5,92	13,05
	M VEP30HD 1-1/4 FPM CODE62 M12	Male 808124041	a	32,0	1,26					D	147,6	5,81	P	75,0	2,95	T	94,4	3,72	4,18	9,22

Designation example VEP17HD1" FPU/M:

- VEP-HD (coupling series)
- 17 (size coupling Stucchi)
- 1" (size of flange)
- FP (Flange Port)
- U (flange threaded holes type UNC;
- M in case of metric threaded holes)
- CODE 62 (flanged coupling solution)

For complete technical information contact Stucchi via stucchigroup.com Contacts Form.


FLAT FACE SCREW
Port description: FLANGE HEAD – WITH O-RING (ISO 6162-2 6000 psi & SAE J518)

For more detailed dimensions please contact Stucchi Technical support.

BODY SIZE	Descriptive Code	Item Code		Diameter		N	Overall Length		Length		Hex		Hex		Diameter		Weight						
				mm	in		mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb					
3/4"	F VEP17HD 1 FH CODE62	Female 808124012	b	20,0	0,79	M50x3	G	308,3	12,14	F	155,7	6,13	C	46,0	1,81	Q	55,0	2,16	E	58,8	2,31	1,68	3,70
	M VEP17HD 1 FH CODE62	Male 808124013	a	20,0	0,79					D	175,4	6,90	B	46,0	1,81	P	55,0	2,16	T	58,8	2,31	1,65	3,63
1"	F VEP21HD 1-1/4 FH CODE 62	Female 808124014	b	25,6	1,01	M58x3	G	331,0	13,03	F	170,8	6,72	C	55,0	2,16	Q	65,0	2,56	E	69,8	2,75	2,60	5,72
	M VEP21HD 1-1/4 FH CODE 62	Male 808124015	a	25,6	1,01					D	184,2	7,25	B	55,0	2,16	P	65,0	2,56	T	69,8	2,75	2,16	4,75
1-1/4"	F VEP25HDZN 1-1/4 CODE 62 FH	Female 812224062	b	31,6	1,24	Rd68 x1/6	G	385,1	15,16	F	219,1	8,63	C	55,0	2,16	Q	75,0	2,95	E	80,0	3,15	2,68	5,91
	M VEP25HDZN 1-1/4 CODE 62 FH	Male 812224063	a	31,6	1,24					D	193,4	7,61	B	65,0	2,56	P	70,0	2,76	T	80,0	3,15	2,82	6,22
1-1/2"	F VEP30HD 1-1/2 FH CODE 62	Female 808124016	b	32,0	1,26	TpF80x4	G	391,5	15,41	F	209,5	8,25	C	65,0	2,56	Q	85,0	3,35	E	95,0	3,74	5,23	11,51
	M VEP30HD 1-1/2 FH CODE 62	Male 808124017	a	32,0	1,26					D	211,6	8,33	B	65,0	2,56	P	75,0	2,95	T	94,4	3,72	3,85	8,47
1-1/2"	F VEP30HD 1-1/4 FH CODE62	Female 808124038	b	28,0	1,1	TpF80x4	G	371,5	14,63	F	199,5	7,85	-	-	-	Q	85,0	3,35	E	95,0	3,74	5,04	11,11
	M VEP30HD 1-1/4 FH CODE62	Male 808124039	a	28,0	1,1					D	201,6	7,94	-	-	-	P	75,0	2,95	T	94,4	3,72	3,66	8,07

Designation example VEP17HD1"FH:

- VEP-HD (coupling series)
- 17 (size coupling Stucchi)
- 1" (size of flange)
- FH (Flange Head)
- CODE 62 (flanged coupling solution)

 For complete technical information contact Stucchi via stucchigroup.com Contacts Form.

VEP-HDL version

VEP-HDL option is a female quick coupling interchangeable with standard VEP-HD series (flat face design, screw connection, connectable with residual pressure system), but equipped with special anti-unscrewing sleeve.

This series is suggested for specific heavy duty applications where the most severe pressure impulses are present, or else where you want to ensure that the operator successfully connect the male in the female coupling.

Female VEP-HDL version is interchangeable with male VEP-HD after removing yellow male external O-ring (upon request male without external O-ring).

Available size 5/8", 3/4", 1".

Tested at 420 bar for 500.000 impulses connected simulating a hoses rotation angle of 5 degrees.

For specific codes and configuration or any other information, please contact Stucchi Technical Support.



90° version

VEP-HD is available upon request also in special configuration with 90° fitting.

This version is ideal for applications with less space that requires a compact design and it guarantees the correct bending of the hose.

For specific codes, configuration or any other information, please contact Stucchi Technical Support.



Zinc Nickel version

VEP-HD Series is available upon request also in Zinc Nickel version, with the size 1-1/4" (VEP25HDZN).

The Zinc Nickel plating ensures high resistance to corrosion and it is ideal for hydraulic equipment applications where an improved corrosion resistance is necessary.

For specific codes, configuration or any other information, please contact Stucchi Technical Support.



WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects. Connect under pressure products are suitable to be connected under residual (static) pressure. Never connect or disconnect with dynamic pressure (e.g. pump on). Do not use the female coupling disconnected with high impulse pressure.

Do not couple-uncouple with flow in the circuit.

Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).

Check the maximum allowable working pressure of the port in use.

It is important to limit contamination in the circuit to avoid compromising the function of the internal valves.

Make sure that the medium used is compatible with seal and material as indicated for each series.

In case of doubt please contact Stucchi Technical Support.

The interchangeability is mentioned under the assumption that the manufacturer of the considered products has not changed any dimension.

It is mandatory to carefully read and closely follow the instructions before selecting or using any Stucchi products.

Always refer to the version uploaded in the Instructions and warning section of stucchigroup.com website for the latest release.

For specific, product-related, instructions, please contact Stucchi technical service.

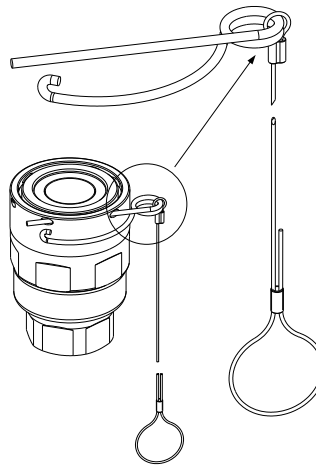


SPARE KIT SEAL & KIT COTTER

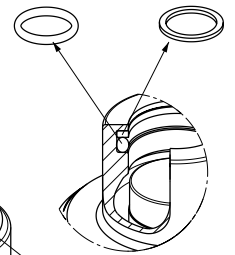
Repair kit / OR+BK+EXTERNAL OR		
Body Size	Description	Part Number
5/8"	M VEP15HD	815700738
3/4"	M VEP17HD	815700739
1"	M VEP21HD	815700740
1-1/4"	M VEP25HD	815701275
1-1/2"	M VEP30HD*	815700741

*OR + O-Ring holder

O-Ring in Nitrile
BackUp in Teflon®



O-ring Backup ring



External yellow O-ring

Kit Cotter VEP-HDL version		
Body Size	Description	Part Number

Ask to sales department

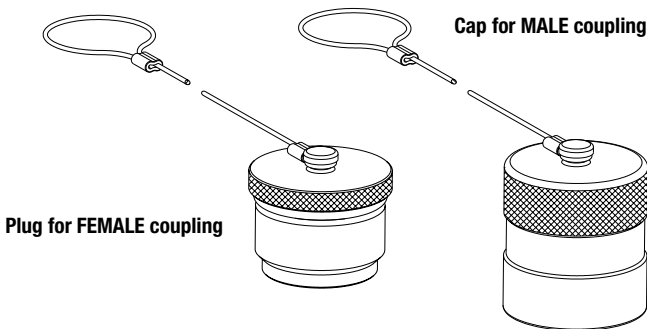
PROTECTIVE CAPS FOR VEP-HD SERIES

Protective caps are always recommended to protect the couplings from damage, dirt inclusion, and will increase the product life. This is particularly important in mobile applications where exposure to weather and aggregate materials are common.

Two solutions are available.

- threaded aluminum caps with lanyard (standard colors: natural aluminum, other colors available upon request)
- threaded plastic caps with lanyard (standard color black).

Caps and plugs are also available without lanyard, upon request.



Protective Cap				
Body Size/Description :		Part Number		Material/Color
		Plug for Female	Cap for Male	
5/8"	VEP15	815305076	815305077	Aluminum/Natural
3/4"	VEP17	815305078	815305079	Aluminum/Natural
1"	VEP21	815305080	815305081	Aluminum/Natural
1-1/4"	VEP25	815305148	815305149	Aluminium/Natural
1-1/2"	VEP30	815305082	815305083	Aluminum/Natural

Protective Cap				
Body Size/Description :		Part Number		Material/Color
		Plug for Female	Cap for Male	
5/8"	VEP15	815303130	815303131	Plastic/Black
3/4"	VEP17	815303132	815303133	Plastic/Black
1"	VEP21	815303134	815303135	Plastic/Black
1-1/4"	VEP25	815303150	815303151	Plastic/Black
1-1/2"	VEP30	815303136	815303137	Plastic/Black



VP-P SERIES

INTERCHANGE > Stucchi profile



Easy CUP

BOP



TECHNICAL FEATURES AND OPTIONS

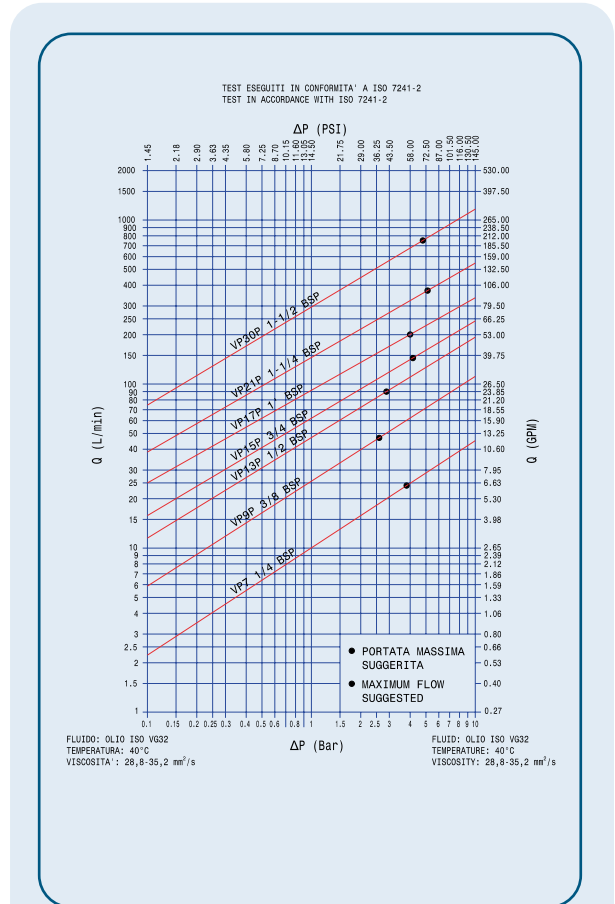
Interchange Stucchi profile	Sealing description Nitrile NBR	Connection system Screw
Available sizes from 1/4" to 1-1/2"	Material/treatment Carbon steel /Cr3+QPQ	Available threads BSP - NPT - SAE
Operating pressure Up to 600 bar	Locking mechanism Screw to connect + Safety sleeve	Flow rate Up to 750 l/min
Temperature (°C) -20°C / +100°C	Valving style Flat face	Connection under pressure Connection: Both sides (see Benefits). Disconnection: Allowed (see Benefits).

BENEFITS

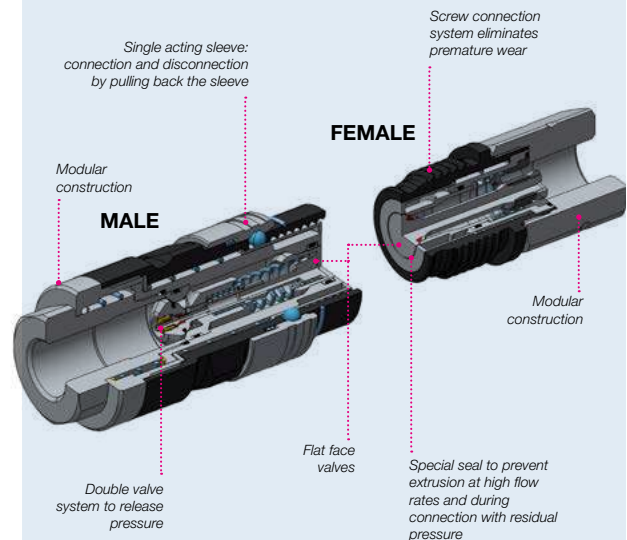
- Easy connection/disconnection with both side under residual pressure thanks to the Stucchi design.
- Flat face is easy to clean, reducing the inclusion of contamination inside the hydraulic circuit.
- Specific dimensions of Stucchi VP-P series are certified with Lloyd Type Approval in accordance with API 16D at specific rating pressure of 345 bar/5000 PSI.
- Minimal fluid spillage during disconnection, reducing fluid spillage to the environment.
- Minimal air inclusion during connection.
- Internal valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Internal pressure release valve system allows an easy connection with high internal residual pressure.
- The safety sleeve integrated in the connection system prevents the accidental disconnection.
- The modular design allows flexibility with a wide range of configurations.
- High resistance to pressure impulses.
- Safe and simple to use.

HOW TO USE

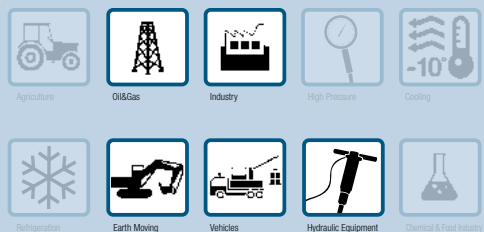
- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in the circuit.
- To connect align the female coupling to the male coupling, push the male and twist in one motion to catch the first thread on the female half and continue to thread together (do not push together couplers, screw only).
- The screwing of the threads should be done by hand without the use of the tools for the first part of the connection.
- Always connect male and female with the male adaptor fixed on the hose (male adaptor should not rotate during connection)
- The use of tools for the second part of connection can be necessary if there is high residual pressure in the circuit.
- Thread the mating halves until the sleeve lock clicks into position. This activates the safety lock and eliminates accidental disconnection of the coupling.
- To disconnect push the safety locking sleeve towards the male coupling and unthread the connection.
- The lock is disengaged after one complete rotation of the coupler, continue to unthread until both halves disconnect.
- If safety lock sleeve will not push back rotate the male coupling to couple direction until the sleeve will pull back.



FLAT FACE SCREW



MAIN APPLICATIONS



PERFORMANCES

Size	Series/Size	Max. flow suggested		Manual connect torque		Manual disconnect torque		Spillage*
		l/min	gpm	Nm	lbf ft	Nm	lbf ft	
1/4	VP7	24	6,36	0,6	0,44	0,4	0,29	0,01
3/8	VP9P	46	12,19	0,8	0,59	0,5	0,37	0,04
1/2	VP13P	90	23,85	1,1	0,81	1,0	0,74	0,02
5/8	VP15P	148	39,22	1,1	0,81	1,0	0,74	0,03
3/4	VP17P	200	53,00	2,0	1,47	1,4	1,03	0,01
1	VP21P	378	100,17	2,2	1,62	1,8	1,33	0,06
1-1/2	VP30P	750	198,75	6,5	4,79	3,2	2,36	0,20

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
1/4	VP7	60	8700	60	8700	42	6090	150	21750	150	21750	126	18270
3/8	VP9P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
1/2	VP13P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
5/8	VP15P	55	7975	55	7975	33	4785	140	20300	140	20300	100	14500
3/4	VP17P	50	7250	50	7250	33	4785	125	18125	125	18125	100	14500
1	VP21P	47	6815	47	6815	30	4350	120	17400	120	17400	80	11600
1-1/2	VP30P	40	5800	40	5800	27	3915	110	15950	110	15950	80	11600

Size	Series/Size	Max. residual pressure during connection						Max. residual pressure during disconnection	
		Male, female to drain		Female, male to drain		Male and female		MPa	psi
		MPa	psi	MPa	psi	MPa	psi	MPa	psi
1/4	VP7	30	4350	25	3625	25	3625	25	3625
3/8	VP9P	25	3625	25	3625	25	3625	25	3625
1/2	VP13P	25	3625	25	3625	20	2900	20	2900
5/8	VP15P	25	3625	25	3625	20	2900	20	2900
3/4	VP17P	25	3625	25	3625	15	2175	15	2175
1	VP21P	25	3625	25	3625	15	2175	15	2175
1-1/2	VP30P	25	3625	25	3625	5	725	5	725

* Spillage is an indicative value of the fluid loss during disconnection (according to ISO norm test method)
Connect torque and disconnect torque without residual pressure.
The torque increase to increasing of internal residual pressure.

BOP Only configurations mentioned in the dedicated BOP section of this catalog are BOP certified.
For complete technical information please contact Stucchi Technical Support.

Note:

VP7 has metal to metal sealing system in the internal valve of male and in the valve of female coupling.

Different possible configurations:

Different threads available upon request.

Temperature range:

Standard seals NBR, PUR, POM from -20 °C to +100 °C (from -4 °F to +212 °F).
Please read carefully Instructions and warnings for proper selection of the products.

Tests performed:

The couplings have been tested at max. operating pressure for 100.000 impulses according to ISO norm.

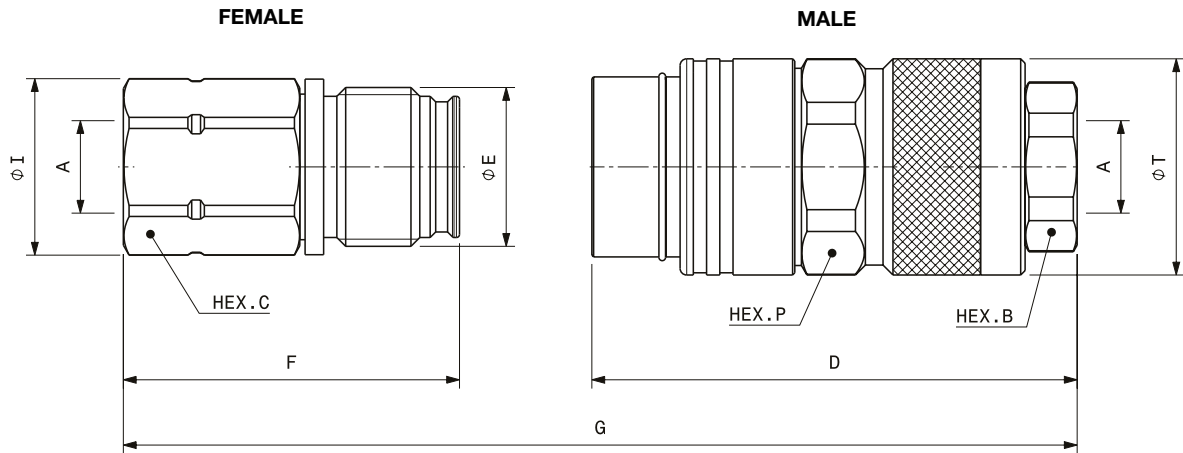
Connection and disconnection with residual pressure in both couplings is recommended for occasional operations only.

For ordinary operations it is suggested to release pressure in one side before to connect and disconnect in way that operator effort and wearing of the couplings are reduced.

WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects.
Connect under pressure products are suitable to be connected under residual (static) pressure.
Never connect or disconnect with dynamic pressure (e.g. pump on).
Do not use the female coupling disconnected with high impulse pressure.
Do not couple-uncouple with flow in the circuit.
Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).
Check the maximum allowable working pressure of the port in use.
It is important to limit contamination in the circuit to avoid compromising the function of the internal valves.
Make sure that the medium used is compatible with seal and material as indicated for each series.
In case of doubt please contact Stucchi Technical Support.
The interchangeability is mentioned under the assumption that the manufacturer of the considered products has not changed any dimension.
It is mandatory to carefully read and closely follow the instructions before selecting or using any Stucchi products.
Always refer to the version uploaded in the Instructions and warning section of stuchigroup.com website for the latest release.
For specific, product-related, instructions, please contact Stucchi technical service.

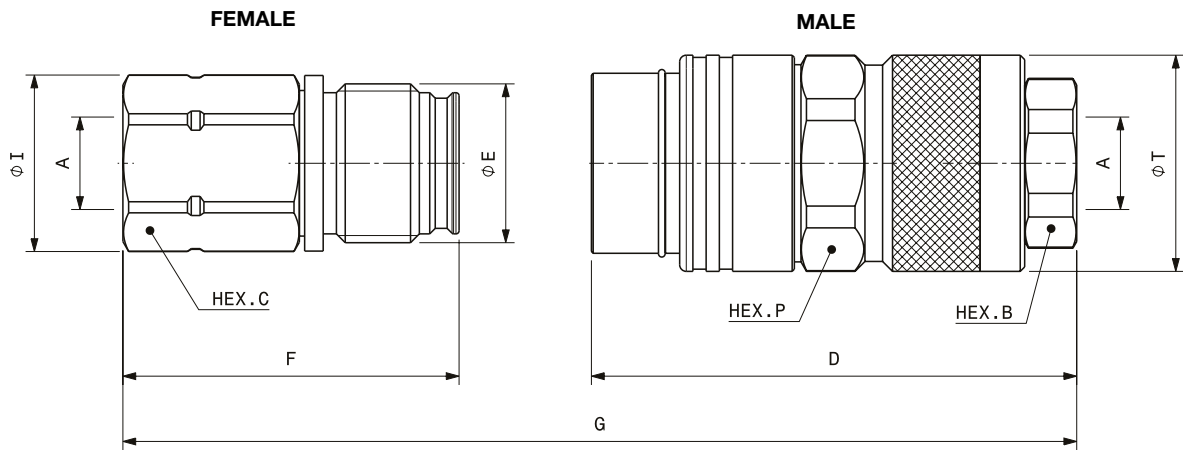
OVERALL DIMENSIONS



FLAT FACE SCREW

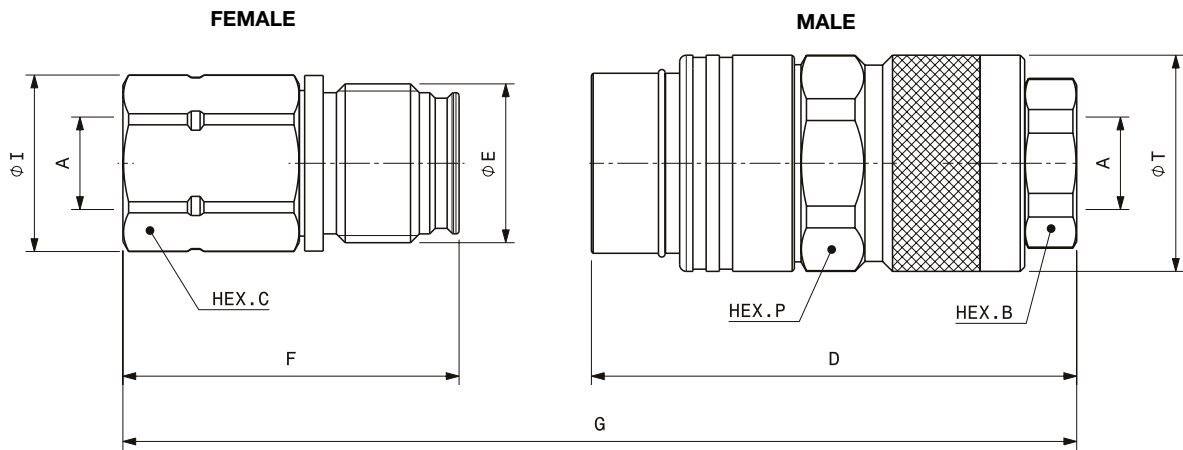
Port description: FEMALE THREAD BSPP (ISO 1179-1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	E	Overall Length		Length		Hex		Hex		Diameter		Weight	
					mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb
1/4"	F VP7 1/4 BSP	Female 801900000	1/4"	M24x2	G	F	52,8	2,08	C	27,0	1,06	I	29,0	1,14	0,16	0,35
	M VP7 1/4 BSP	Male 801900001				D	83,9	3,30	B	22,0	0,87	P	32,0	1,26	T	35,0
3/8"	F VP9P 3/8 BSP	Female 807300002	3/8"	M28x2	G	F	64,3	2,53	C	30,0	1,18	I	32,0	1,26	0,24	0,53
	M VP9P 3/8 BSP	Male 807300003				D	94,5	3,72	B	27,0	1,06	P	38,0	1,50	T	42,0
3/8"	F VP9P 1/2 BSP	Female 807300004	1/2"	M28x2	G	F	69,3	2,73	C	30,0	1,18	I	32,0	1,26	0,25	0,54
	M VP9P 1/2 BSP	Male 807300005				D	94,5	3,72	B	27,0	1,06	P	38,0	1,50	T	42,0
1/2"	F VP13P 1/2 BSP	Female 807300006	1/2"	M36x3	G	F	76,2	3,00	C	36,0	1,42	I	40,0	1,57	0,42	0,93
	M VP13P 1/2 BSP	Male 807300007				D	110,0	4,33	B	36,0	1,42	P	45,0	1,77	T	49,0
1/2"	F VP13P 3/4 BSP	Female 807300008	3/4"	M36x3	G	F	83,2	3,28	C	36,0	1,42	I	40,0	1,57	0,44	0,97
	M VP13P 3/4 BSP	Male 807300009				D	110,0	4,33	B	36,0	1,42	P	45,0	1,77	T	49,0
5/8"	F VP15P 3/4 BSP	Female 807300010	3/4"	M39x3	G	F	83,4	3,28	C	41,0	1,61	I	44,8	1,76	0,58	1,28
	M VP15P 3/4 BSP	Male 807300011				D	110,0	4,33	B	36,0	1,42	P	48,0	1,89	T	52,0
3/4"	F VP17P 3/4 BSP	Female 807300018	3/4"	M45x3	G	F	96,0	3,78	C	46,0	1,81	I	49,8	1,96	0,93	2,05
	M VP17P 3/4 BSP	Male 807300019				D	127,1	5,00	B	46,0	1,81	P	55,0	2,17	T	60,0
3/4"	F VP17P 1 BSP	Female 807300012	1"	M45x3	G	F	98,0	3,86	C	46,0	1,81	I	49,8	1,96	0,91	2,00
	M VP17P 1 BSP	Male 807300013				D	127,1	5,00	B	46,0	1,81	P	55,0	2,17	T	60,0
1"	F VP21P 1 BSP	Female 807300022	1"	M55x3	G	F	104,0	4,09	C	55,0	2,17	I	59,8	2,35	1,49	3,28
	M VP21P 1 BSP	Male 807300023				D	137,0	5,39	B	55,0	2,17	P	70,0	2,76	T	76,0
1"	F VP21P 1-1/4 BSP	Female 807300014	1-1/4"	M55x3	G	F	105,0	4,13	C	55,0	2,17	I	59,8	2,35	1,40	3,08
	M VP21P 1-1/4 BSP	Male 807300015				D	137,0	5,39	B	55,0	2,17	P	70,0	2,76	T	76,0
1-1/2"	F VP30P 1-1/4 BSP	Female 807300024	1-1/4"	M72x4	G	F	132,2	5,20	C	65,0	2,56	I	85,0	3,35	-	-
	M VP30P 1-1/4 BSP	Male 807300025				D	174,7	6,88	B	65,0	2,56	P	85,0	3,35	T	94,0
1-1/2"	F VP30P 1-1/2 BSP	Female 807300016	1-1/2"	M72x4	G	F	132,2	5,20	C	65,0	2,56	I	85,0	3,35	2,93	6,46
	M VP30P 1-1/2 BSP	Male 807300017				D	174,7	6,88	B	65,0	2,56	P	85,0	3,35	T	94,0



Port description: FEMALE THREAD NPT (ANSI B.1.20.1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	E	Overall Length		Length		Hex		Hex		Diameter		Weight			
					mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb		
1/4"	F VP7 1/4 NPT	Female 801901004	1/4"	M24x2	G	126,6	4,98	F	52,8	2,08	C	27,0	1,06	I	29,0	1,14	0,17	0,36
	M VP7 1/4 NPT	Male 801901005						D	85,3	3,36	B	22,0	0,87	P	32,00	1,26	T	35,0
3/8"	F VP9P 3/8 NPT	Female 807301002	3/8"	M28x2	G	142,3	5,60	F	64,3	2,53	C	30,0	1,18	I	32,0	1,26	0,24	0,53
	M VP9P 3/8 NPT	Male 807301003						D	94,5	3,72	B	27,0	1,06	P	38,00	1,50	T	42,0
3/8"	F VP9P 1/2 NPT	Female 807301004	1/2"	M28x2	G	147,3	5,80	F	69,3	2,73	C	30,0	1,18	I	32,0	1,26	0,24	0,53
	M VP9P 1/2 NPT	Male 807301005						D	94,5	3,72	B	27,0	1,06	P	38,00	1,50	T	42,0
1/2"	F VP13P 1/2 NPT	Female 807301006	1/2"	M36x3	G	167,9	6,61	F	76,2	3,00	C	36,0	1,42	I	40,0	1,57	0,43	0,94
	M VP13P 1/2 NPT	Male 807301007						D	110,0	4,33	B	36,0	1,42	P	45,00	1,77	T	49,0
1/2"	F VP13P 3/4 NPT	Female 807301008	3/4"	M36x3	G	174,9	6,89	F	83,2	3,28	C	36,0	1,42	I	40,0	1,57	0,44	0,97
	M VP13P 3/4 NPT	Male 807301009						D	110,0	4,33	B	36,0	1,42	P	45,00	1,77	T	49,0
5/8"	F VP15P 3/4 NPT	Female 807301010	3/4"	M39x3	G	174,9	6,89	F	83,4	3,28	C	41,0	1,61	I	44,8	1,76	0,60	1,31
	M VP15P 3/4 NPT	Male 807301011						D	110,0	4,33	B	36,0	1,42	P	48,00	1,89	T	52,0
3/4"	F VP17P 1 NPT	Female 807301012	1	M45x3	G	202,5	7,97	F	98,0	3,86	C	46,0	1,81	I	49,8	1,96	0,92	2,02
	M VP17P 1 NPT	Male 807301013						D	127,1	5,00	B	46,0	1,81	P	55,00	2,17	T	60,0
1"	F VP21P 1-1/4 NPT	Female 807301014	1-1/4"	M55x3	G	218,1	8,59	F	108,3	4,26	C	55,0	2,17	I	59,8	2,35	1,43	3,15
	M VP21P 1-1/4 NPT	Male 807301015						D	137,0	5,39	B	55,0	2,17	P	70,00	2,76	T	76,0
1-1/2"	F VP30P 1-1/2 NPT	Female 807301016	1-1/2"	M72x4	G	271,3	10,68	F	132,2	5,20	C	65,0	2,56	I	85,0	3,35	2,93	6,46
	M VP30P 1-1/2 NPT	Male 807301017						D	174,7	6,88	B	65,0	2,56	P	85,00	3,35	T	94,0



FLAT FACE SCREW

Port description: FEMALE THREAD SAE (ISO 11926-1 & SAE J1926-1)

BODY SIZE	Descriptive Code	Item Code	PORT (A)	E	Overall Length	Length		Hex		Hex		Diameter		Weight					
						mm	in	mm	in	mm	in	mm	in	kg	lb				
3/8"	F VP9P 3/8 SAE	Female	807304020	9/16-18UNF	M28x2	G	142,3	5,60	F	64,3	2,53	C	30,0	1,18	I	32,0	1,26	0,25	0,54
	M VP9P 3/8 SAE	Male	807304021				D	94,5	3,72	B	27,0	1,06	P	38,00	1,50	T	42,0	1,65	0,60
1/2"	F VP13P 1/2 SAE	Female	807304022	3/4-16UNF	M36x3	G	169,9	6,69	F	76,2	3,00	C	36,00	1,42	I	40,0	1,57	0,43	0,95
	M VP13P 1/2 SAE	Male	807304023				D	110,0	4,33	B	36,00	1,42	P	45,00	1,77	T	49,0	1,93	0,93
1/2"	F VP13P 3/4 SAE	Female	807304008	1-1/16-12UN	M36x3	G	174,9	6,89	F	83,2	3,28	C	36,0	1,42	I	40,0	1,57	0,43	0,95
	M VP13P 3/4 SAE	Male	807304009				D	110,0	4,33	B	36,0	1,42	P	45,00	1,77	T	49,0	1,93	0,93
5/8"	F VP15P 3/4 SAE	Female	807304010	1-1/16-12UN	M39x3	G	174,9	6,89	F	83,4	3,28	C	41,0	1,61	I	44,8	1,76	0,58	1,27
	M VP15P 3/4 SAE	Male	807304011				D	110,0	4,33	B	36,0	1,42	P	48,00	1,89	T	52,0	2,05	1,05
3/4"	F VP17P 1 SAE	Female	807304012	1-5/16-12UN	M45x3	G	202,5	7,97	F	98,0	3,86	C	46,0	1,81	I	49,8	1,96	0,90	1,97
	M VP17P 1 SAE	Male	807304013				D	127,1	5,00	B	46,0	1,81	P	55,00	2,17	T	60,0	2,36	1,58
1"	F VP21P 1-1/4 SAE	Female	807304014	1-5/8-12UN	M55x3	G	214,8	8,46	F	105,0	4,13	C	55,0	2,17	I	59,8	2,35	1,40	3,09
	M VP21P 1-1/4 SAE	Male	807304015				D	137,0	5,39	B	55,0	2,17	P	70,00	2,76	T	76,0	2,99	2,50
1-1/2"	F VP30P 1-1/2 SAE	Female	807304016	1-7/8-12UN	M72x4	G	271,3	10,68	F	132,2	5,20	C	65,0	2,56	I	85,0	3,35	2,92	6,44
	M VP30P 1-1/2 SAE	Male	807304017				D	174,7	6,88	B	65,0	2,56	P	85,00	3,35	T	94,0	3,70	5,10

Zinc Nickel version

VP-P Series is available upon request also in Zinc Nickel version.

The Zinc Nickel plating ensures high resistance to corrosion and it is ideal for hydraulic equipment applications where an improved corrosion resistance is necessary.

For specific codes, configuration or any other information, please contact Stucchi Technical Support.



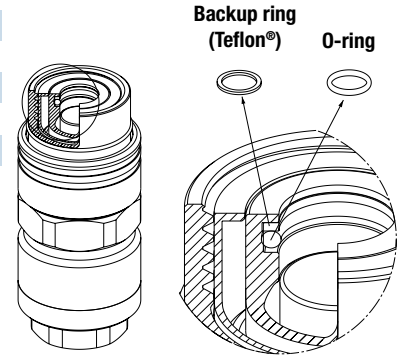


SPARE KIT SEAL FOR MALE

Repair kit / OR+BK		
Body Size	Description	Part Number
1/4"	M VP7	815700519
3/8"	M VP9P	815701096
1/2"	M VP13P	815700339
5/8"	M VP15P	815700341
3/4"	M VP17P	815700655
1"	M VP21P	815700345
1-1/2"	M VP30P*	815700697

* Kit replacement O-Ring Holder + O-Ring

O-Ring in NBR
BackUp in Teflon®

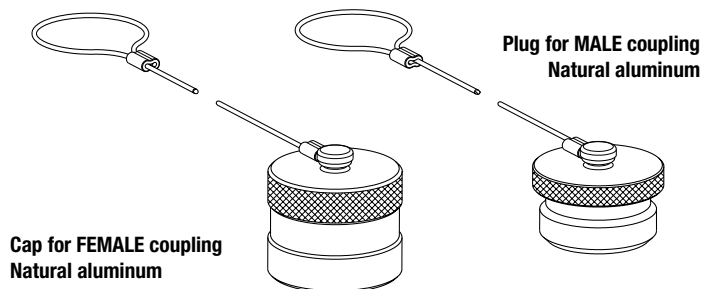


PROTECTIVE CAPS FOR VP-P SERIES

Protective caps are always recommended to protect the couplings from damage, dirt inclusion, and will increase the product life. This is particularly important in mobile applications where exposure to weather and aggregate materials are common.

For the VP-P series aluminum screw caps complete with lanyard are available (standard colors: natural aluminum, other colors available upon request).

Caps and plugs are also available without lanyard, upon request.



Body Size/Description	Protective Cap		Material/Color
	Cap for Female	Plug for Male	
1/4" VP7	815305050	815305051	Aluminum/Natural
3/8" VP9P	815305052	815305053	Aluminum/Natural
1/2" VP13P	815305054	815305055	Aluminum/Natural
5/8" VP15P	815305056	815305057	Aluminum/Natural
3/4" VP17P	815305058	815305059	Aluminum/Natural
1" VP21P	815305060	815305061	Aluminum/Natural
1-1/2" VP30P	815305062	815305063	Aluminum/Natural

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