VEP-PSERIES

INTERCHANGE > **Stucchi VEP profile**

Stucchi®

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 (Zn-Ni)

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

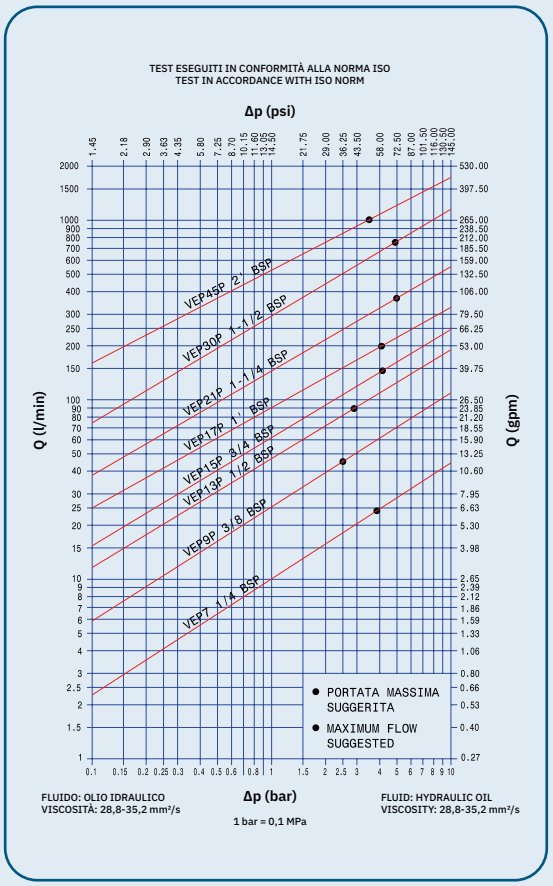
Connection under pressure
Connection: Both sides (see Benefits).
Disconnection: Allowed (see Benefits).

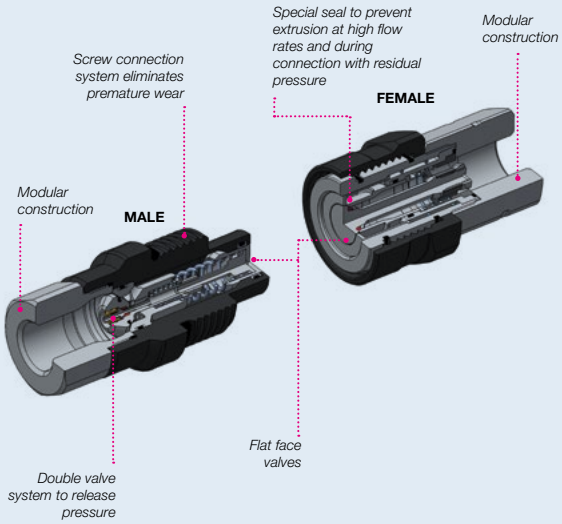
BENEFITS

- 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.

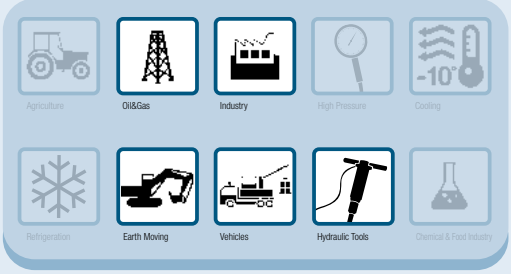
HOW TO USE

- 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.





MAIN APPLICATIONS



PERFORMANCES

Size	Series/Size	Max. flow suggested		Manual connect torque		Manual disconnect torque		Tightening torque		Spillage*
in		l/min	gpm	Nm	lbf ft	Nm	lbf ft	Nm	lbt ft	ml
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			
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.

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:
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.

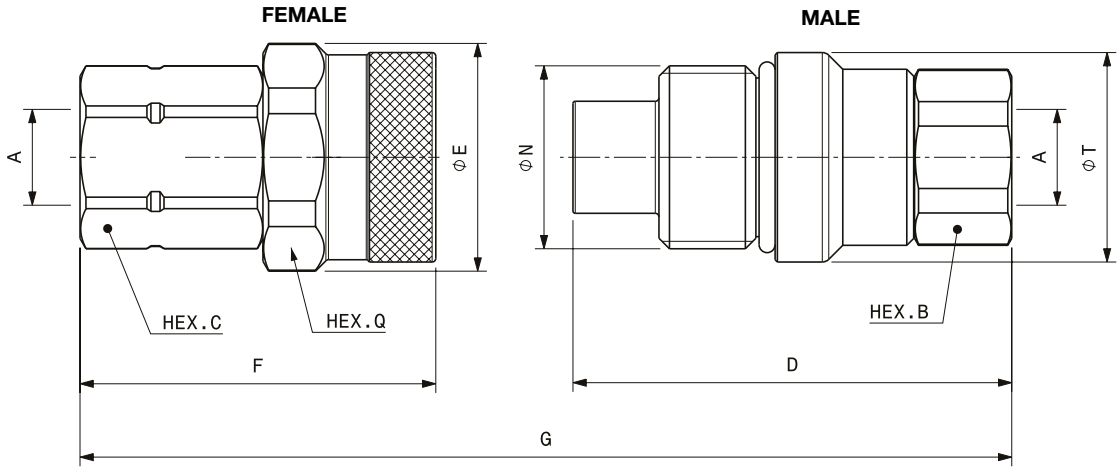
Tests performed:
Qualification tests have been performed with hydraulic oil using couplings with NBR (Nitrile) seals. The max. operating pressure have been verified for 100.000 impulses according to ISO norm test method.
The VEP45P coupled and male have been tested for 1.000.000 impulses.

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.

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.

OVERALL DIMENSIONS

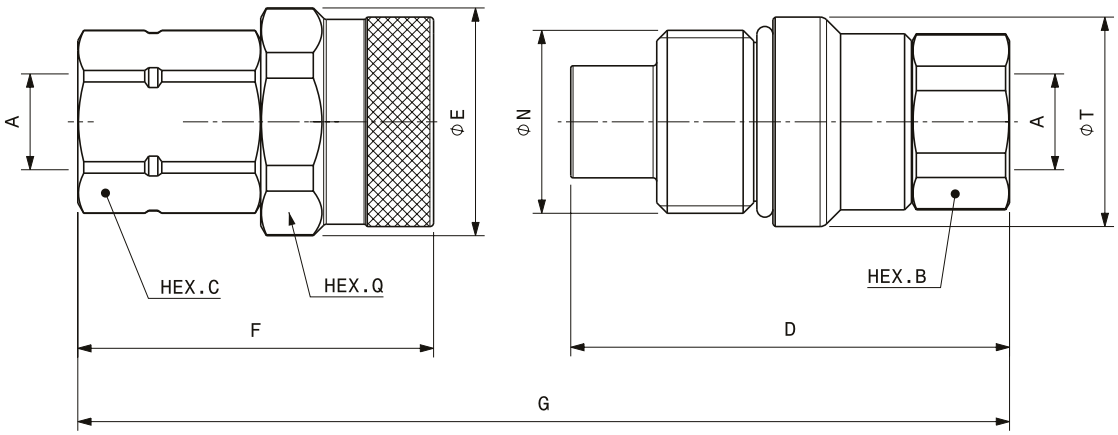


Port description: FEMALE THREAD BSPP (ISO 1179-1)

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

FEMALE

MALE

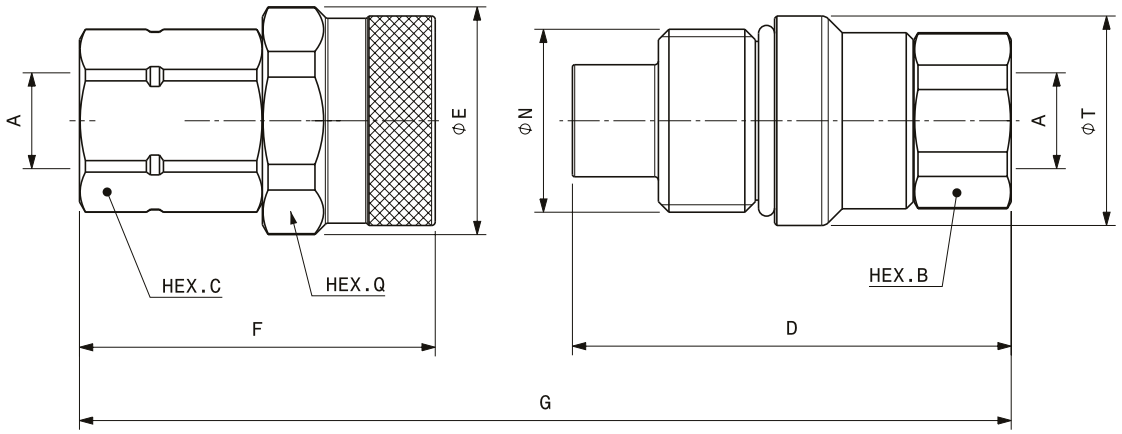


Port description: FEMALE THREAD BSPP (ISO 1179-1) - ZincNickel treatment

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 VEP7ZN 1/4 BSP	Female	811900000	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 VEP7ZN 1/4 BSP	Male	811900001						D	71,0	2,80	B	22,0	0,87				T	34,8	1,37	0,23	0,51
3/8"	F VEP9PZN 3/8 BSP	Female	811900002	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 VEP9PZN 3/8 BSP	Male	811900003						D	82,5	3,25	B	27,0	1,06				T	37,8	1,49	0,33	0,72
3/8"	F VEP9PZN 1/2 BSP	Female	811900014	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 VEP9PZN 1/2 BSP	Male	811900015						D	85,0	3,35	B	27,0	1,06				T	37,8	1,49	0,32	0,71
1/2"	F VEP13PZN 1/2 BSP	Female	811900004	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 VEP13PZN 1/2 BSP	Male	811900005						D	95,0	3,74	B	36,0	1,42				T	45,8	1,80	0,60	1,32
1/2"	F VEP13PZN 3/4 BSP	Female	811900016	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 VEP13PZN 3/4 BSP	Male	811900017						D	97,4	3,83	B	36,0	1,42				T	45,8	1,80	0,58	1,28
5/8"	F VEP15PZN 3/4 BSP	Female	811900006	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 VEP15PZN 3/4 BSP	Male	811900007						D	99,0	3,90	B	36,0	1,42				T	49,8	1,96	0,67	1,48
3/4"	F VEP17PZN 1 BSP	Female	811900008	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 VEP17PZN 1 BSP	Male	811900009						D	113,6	4,47	B	46,0	1,81				T	54,8	2,16	1,02	2,24
1"	F VEP21PZN 1-1/4 BSP	Female	811900010	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 VEP21PZN 1-1/4 BSP	Male	811900011						D	123,4	4,86	B	55,0	2,17				T	64,5	2,54	1,44	3,17
1-1/2"	F VEP30PZN 1-1/2 BSP	Female	811900012	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 VEP30PZN 1-1/2 BSP	Male	811900013						D	150,0	5,91	B	65,0	2,56				T	89,8	3,54	3,20	7,05

FEMALE

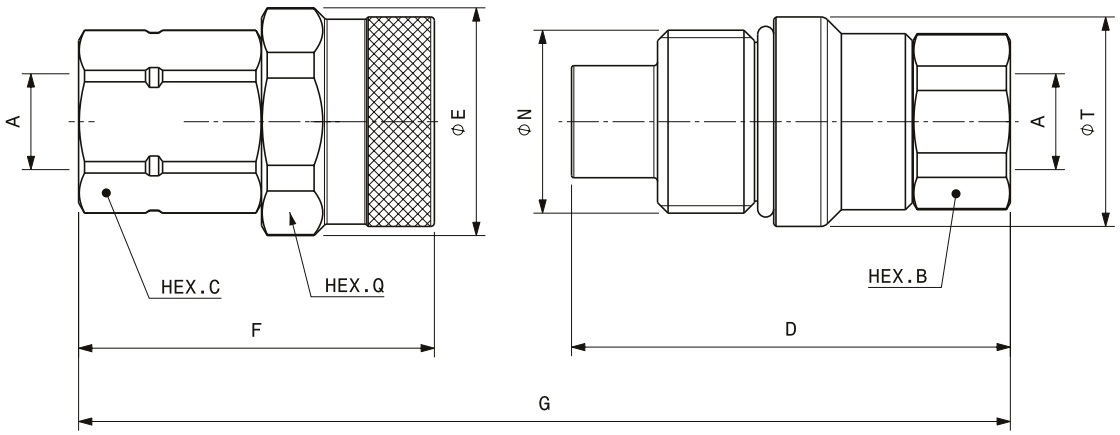
MALE



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 3/4 NPT	Female	807201020	3/4"	M50x3	G	187,5	7,38	F	96,7	3,81	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,22	2,71
	M VEP17P 3/4 NPT	Male	807201021						D	113,6	4,47	B	46,0	1,81				T	54,8	2,16	1,13	2,52
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 NPT	Female	807201022	1"	M58x3	G	205,3	8,08	F	105,8	4,17	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,89	4,20
	M VEP21P 1 NPT	Male	807201023						D	123,5	4,86	B	55,0	2,17				T	64,5	2,54	1,63	3,61
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

FEMALE **MALE**



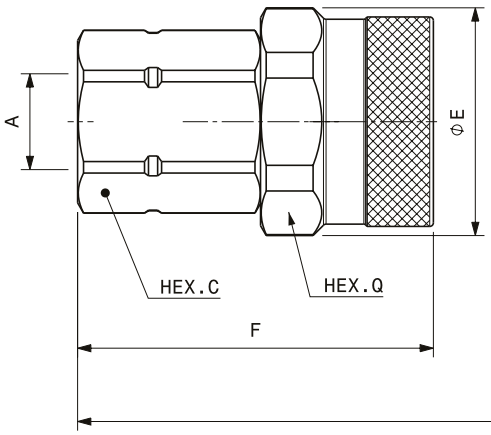
Port description: FEMALE THREAD NPT (ANSI B.1.20.1) - ZincNickel treatment

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
3/8"	F VEP9PZN 3/8 NPT	Female	811901002	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 VEP9PZN 3/8 NPT	Male	811901003						D	82,5	3,25	B	27,0	1,06				T	37,8	1,49	0,33	0,72
3/8"	F VEP13PZN 1/2 NPT	Female	811901004	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 VEP13PZN 1/2 NPT	Male	811901005						D	95,0	3,74	B	36,0	1,42				T	45,8	1,80	0,61	1,33
5/8"	F VEP15PZN 3/4 NPT	Female	811901006	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 VEP15PZN 3/4 NPT	Male	811901007						D	99,0	3,90	B	36,0	1,42				T	49,8	1,96	0,69	1,53
3/4"	F VEP17PZN 3/4 NPT	Female	811901018	3/4"	M50x3	G	187,5	7,38	F	96,7	3,81	C	46,0	1,81	Q	55,0	2,17	E	58,8	2,31	1,22	2,71
	M VEP17PZN 3/4 NPT	Male	811901019						D	113,6	4,47	B	46,0	1,81				T	54,8	2,16	1,13	2,52
3/4"	F VEP17PZN 1 NPT	Female	811901008	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	2,49
	M VEP17PZN 1 NPT	Male	811901009						D	113,6	4,47	B	46,0	1,81				T	54,8	2,16	1,03	2,29
1"	F VEP21PZN 1 NPT	Female	811901020	1"	M58x3	G	205,3	8,08	F	105,8	4,17	C	55,0	2,17	Q	65,0	2,56	E	69,8	2,75	1,89	4,20
	M VEP21PZN 1 NPT	Male	811901021						D	123,5	4,86	B	55,0	2,17				T	64,5	2,54	1,63	3,61

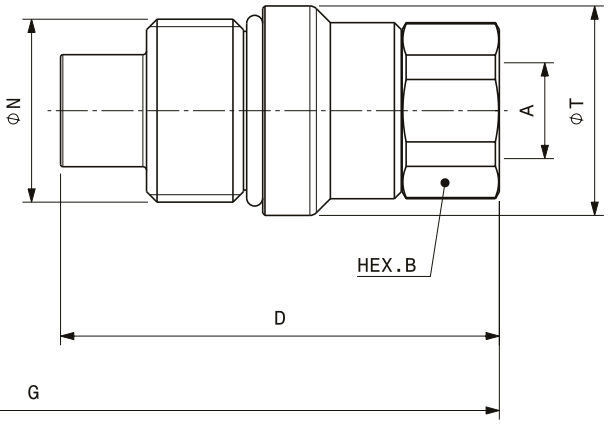
VEP-PSERIES

Stucchi®

FEMALE



MALE



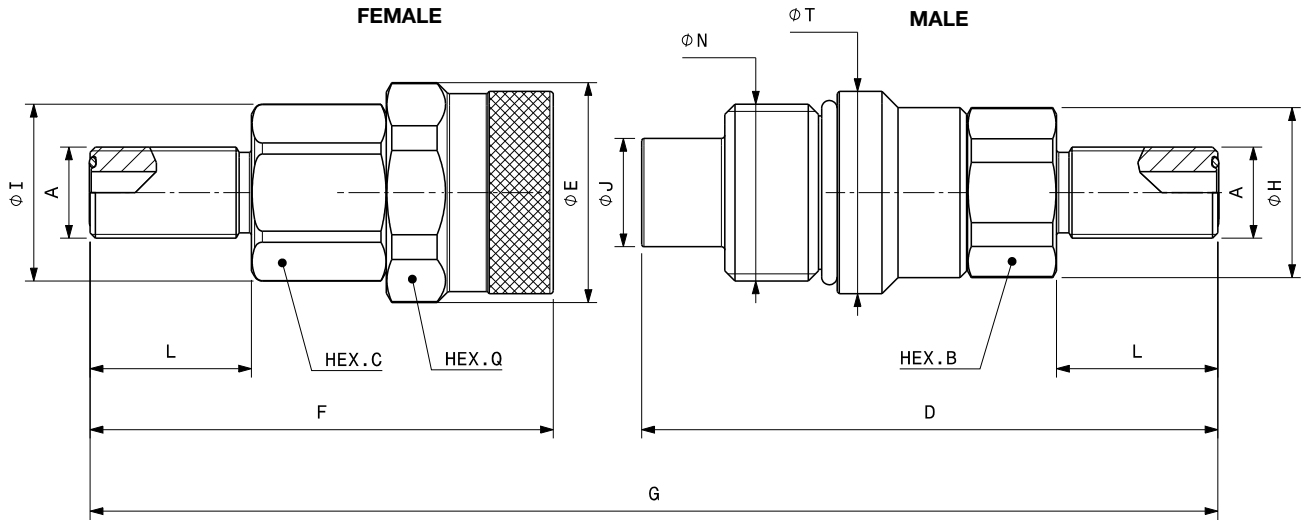
Port description: FEMALE THREAD SAE (ISO11926-1 & SAE J1926-1)

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**	1-1/16-12UN	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**	1-1/16-12UN	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**	1-1/16-12UN	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**	1-5/16-12UN	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**	1-5/16-12UN	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**	1-5/8-12UN	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** ♦	1-5/8-12UN	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**	1-7/8-12UN	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	Female **807204018**	2-1/2-12UN	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	Male **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: FEMALE THREAD SAE (ISO 11926 - 1 & SAE J1926 - 1) - ZincNickel treatment

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 VEP7ZN 3/8 SAE	Female **811904000**	9/16-18UN	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 VEP7ZN 3/8 SAE	Male **811904001**						D	72,8	2,87	B	22,0	0,87				T	34,8	1,37	0,23	0,51
3/8"	F VEP9PZN 1/2 SAE	Female **811904002**	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 VEP9PZN 1/2 SAE	Male **811904003**						D	87,0	3,43	B	27,0	1,06				T	37,8	1,49	0,33	0,73
1/2"	F VEP13PZN 3/4 SAE	Female **811904004**	-1/16-12U	M40x3	G	169,1	6,66	F	84,8	3,34	C	36,0	1,42	Q	46,0	1,81	E	49,8	1,96	0,64	1,40
	M VEP13PZN 3/4 SAE	Male **811904005**						D	102,5	4,04	B	36,0	1,42				T	45,8	1,80	0,61	1,33
5/8"	F VEP15PZN 3/4 SAE	Female **811904006**	-1/16-12U	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 VEP15PZN 3/4 SAE	Male **811904007**						D	102,0	4,02	B	36,0	1,42				T	49,8	1,96	0,68	1,49



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		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.

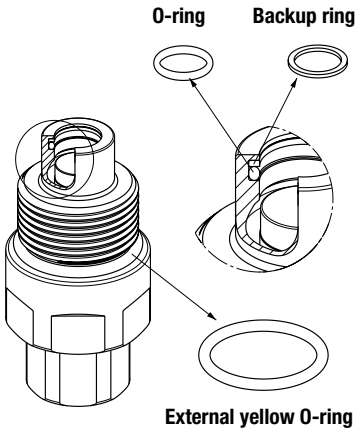


SPARE KIT SEAL FOR MALE

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	815701400
1”	M VEP21P	815700740
1-1/2”	M VEP30P*	815700741
2”	M VEP45P	815700728

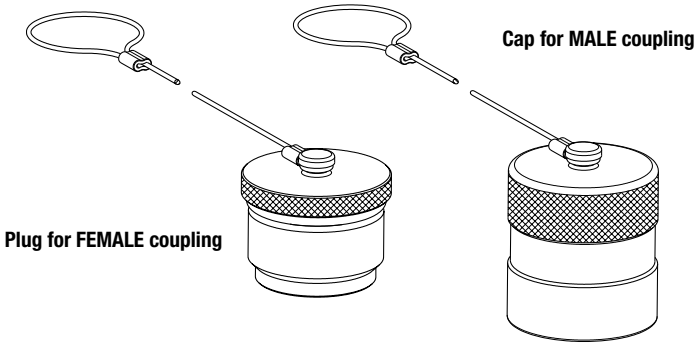
* OR + O-Ring holder

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.



Protective Cap				
Body Size/Description		Part Number		Material/Color
		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

Protective Cap				
Body Size/Description		Part Number		Material/Color
		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

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