

# CVC

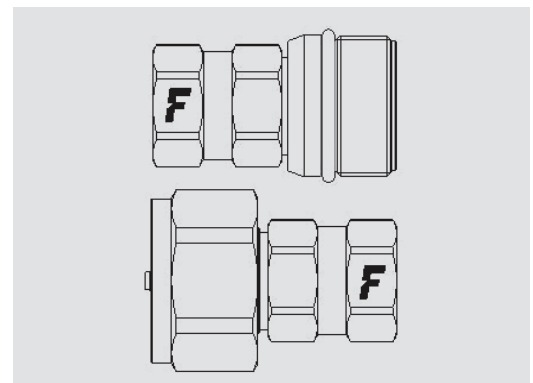


## Screw-to-connect couplings for construction equipment application.

Screw-on couplings purposely designed for Caterpillar machines. Connectable under residual pressure. High resistance to pressure and flow impulses. Equipped with a hexagon-shaped sleeve and an external o-ring ensuring high friction and low risk of accidental disconnection due to vibrations.



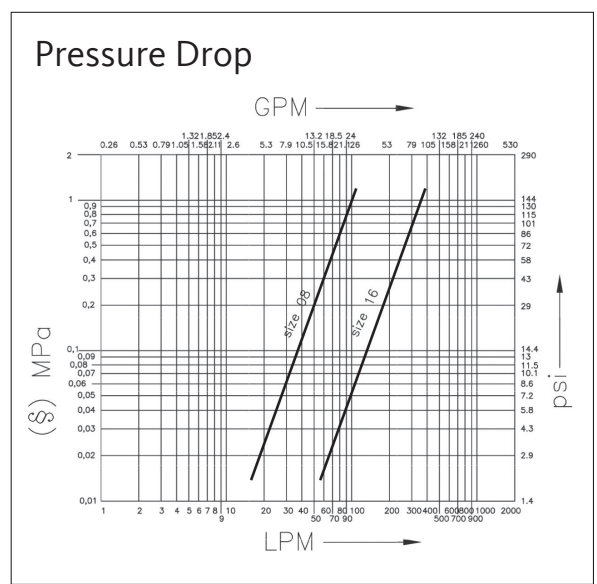
## Applications

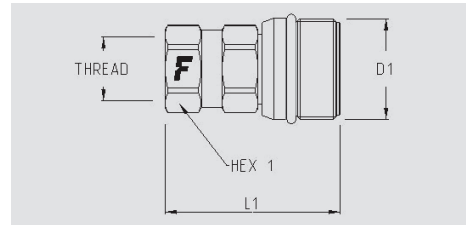


## Technical Specifications

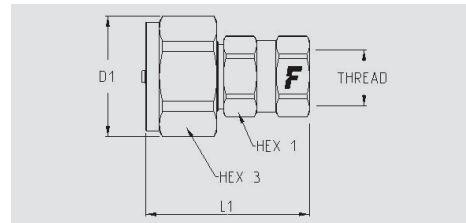
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
08	12,5	1/2"	34	50	2	0	102	102	105
16	25	1"	34	160	10	0	112	112	112

Material	<b>Steel</b>
Seals	<b>NBR</b>
Working temperatures	<b>- 25 °C to + 125 °C</b>
Surface treatment	<b>MATE 500 (CrIII)</b>
Series Interchange	<b>MARKET</b>
Valve Type	<b>Poppet</b>
Connection	<b>Screw to Connect</b>
Disconnection	<b>Unscrew to Disconnect</b>
Connection Under Pressure	<b>Allowed Residual</b>

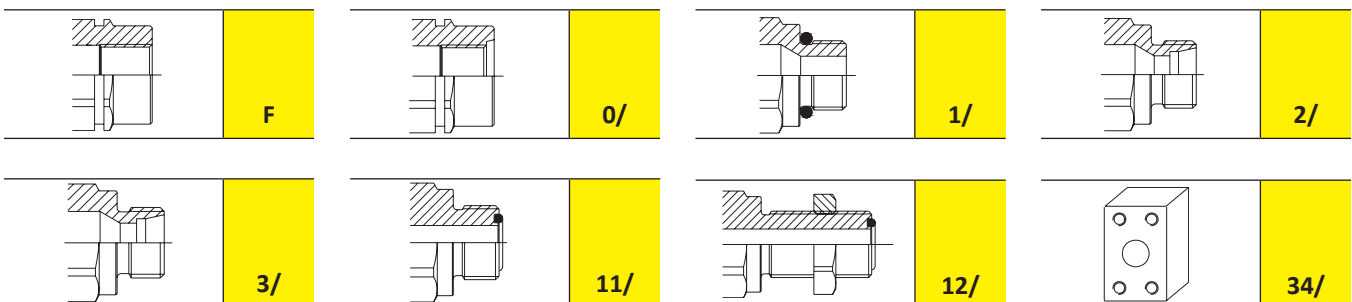




Size		Thread details			FEMALE						
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
1/2"	12,5	0/ METRIC	ISO 6149-1	M22x1,5 FEMALE ORB	CVC080/2215 F	60	2,36	35	1,38	27	1,06
1/2"	12,5	0/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	CVC08 58S F	62	2,44	35	1,38	30	1,18
1/2"	12,5	02/ METRIC	ISO 8434-1-L	M18x1,5 MALE 12L	CVC082/1815 F	56	2,2	35	1,38	27	1,06
1/2"	12,5	11/ SAE	ISO 8434-3	13/16"-16 UN MALE ORFS	CVC0811/12S F	58	2,28	35	1,38	27	1,06
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	CVC08 12 GAS F	50	1,97	35	1,38	30	1,18
1"	25	0/ SAE	ISO 11926-1	1-3/16"-12 UN FEMALE ORB	CVC16 78S F	97	3,82	54	2,13	42	1,65
1"	25	03/ METRIC	ISO 8434-1-S	M36x2 MALE 25S	CVC163/362 F	98	3,86	43	1,69	38	1,5
1"	25	F METRIC	ISO 9974-1	M30x1,5 FEMALE	CVC16 3015 F	97	3,82	54	2,13	42	1,65



Size		Thread details			MALE								
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
1/2"	12,5	0/ METRIC	ISO 6149-1	M22x1,5 FEMALE ORB	CVC080/2215 M	61	2,4	45	1,77			27	1,06
1/2"	12,5	0/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	CVC08 58S M	63	2,48	45	1,77			30	1,18
1/2"	12,5	01/ SAE	ISO 11926-3	3/4"-16 UNF MALE	CVC081/12S M	57	2,24	45	1,77			27	1,06
1/2"	12,5	02/ METRIC	ISO 8434-1-L	M22x1,5 MALE 15L	CVC082/2215 M	58	2,28	45	1,77			27	1,06
1/2"	12,5	12/ SAE	ISO 8434-3	1"-14 UNS MALE BULKHEAD ORFS	CVC0812/58S M	91	3,58	45	1,77			34	1,34
1/2"	12,5	12/ SAE	ISO 8434-3	13/16"-16 UN MALE BULKHEAD ORFS	CVC0812/12S M	80	3,15	45	1,77			27	1,06
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	CVC08 12 GAS M	48	1,89	45	1,77			30	1,18
1"	25	0/ SAE	ISO 11926-1	1-3/16"-12 UN FEMALE ORB	CVC16 78S M	90	3,54	72	2,83			42	1,65
1"	25	03/ METRIC	ISO 8434-1-S	M36x2 MALE 25S	CVC163/362 M	91	3,58	72	2,83			38	1,5
1"	25	03/ METRIC	ISO 8434-1-S	M42x2 MALE 30S	CVC163/422 M	88	3,46	72	2,83			46	1,81
1"	25	34/ SAE	ISO 6162-2	SAE FLANGE 3/4	CVC1634/12 M	89	3,5	72	2,83			42	1,65
1"	25	F METRIC	ISO 9974-1	M30x1,5 FEMALE	CVC16 3015 M	90	3,54	72	2,83			42	1,65



# CVC accessories

## Aluminium dust caps



Caps suitable for FEMALE



Caps suitable for MALE

Size			Cap Details		Size			Cap Details	
inch	mm	dash	Part number	Colour	inch	mm	dash	Part number	Colour
1/2"	12,5	08	TMCVC 08 S		1/2"	12,5	08	TFCVC 08 S	
1"	25	16	TMCVC 16 S		1"	25	16	TFCVC 16 S	