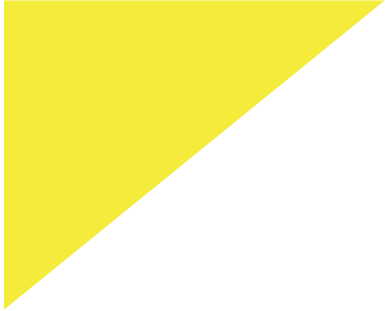


# High Pressure



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# PVVM



Screw to connect couplings for high pressure, ISO **14540** interchange, poppet valve.

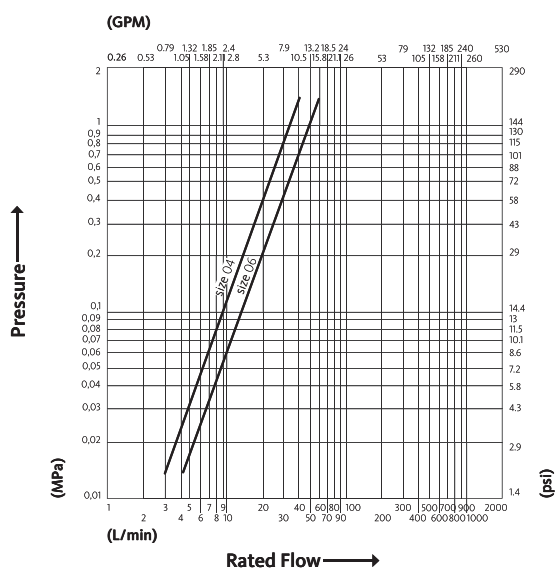
Screw-on couplings purposely designed for the heaviest applications. Equipped with a robust metal-to-metal sealing poppet valve, this series guarantees the best performance on the market in terms of maximum working pressure. ISO 14540 interchange.



## Applications



## Pressure Drop



Test performed according to ISO 18869

## Technical Specifications

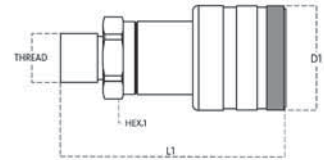
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
04	6.3	1/4"	103	15	0.5	0	310	330	350
06	10	3/8"	100	20	1	0	330	300	350

Material	Steel
Seals	NBR
Working temperatures	<b>- 25 °C to + 125 °C</b>
Surface treatment	MATE <b>500</b> (CrIII)
Series Interchange	ISO <b>14540</b>

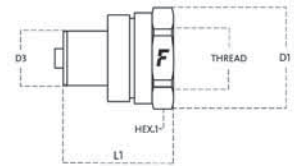
Valve Type	Poppet
Connection	Screw to Connect
Disconnection	Unscrew to Disconnect
Connection Under Pressure	Allowed Residual



# PVVM

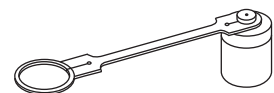
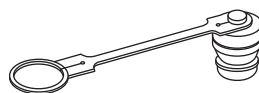


Size		Thread details			FEMALE							
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1		
						mm	inch	mm	inch	mm	inch	
6.3	1/4"	01/ NPTF	ANSI B1.20.3	NPTF 1/4" MALE	PVVM1/14NPT F	63	2.48	33	1.3	21	0.83	
10	3/8"	23/ BSPP	n.a.	BSPP 1/4 MALE SPECIAL	PVVM38-23/14G F	147.7	5.81	36	1.42	25	0.98	
10	3/8"	01/ NPTF	ANSI B1.20.3	NPTF 1/4" MALE	PVVM38-1/14NPTF	148.7	5.85	36	1.42	25	0.98	
10	3/8"	01/ NPTF	ANSI B1.20.3	NPTF 3/8" MALE	PVVM1/38NPT F	83	3.27	36	1.42	25	0.98	



Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	PVVM 14 NPT M	34	1.34	30	1.18			27	1.06
10	3/8"	23/ BSPP	n.a.	BSPP 1/4 MALE SPECIAL	PVVM38-23/14G M	63.8	2.51	35.5	1.4			25	0.98
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	PVVM 38 NPT M	39	1.54	35	1.38			32	1.26

## PVVM Accessories and Spares



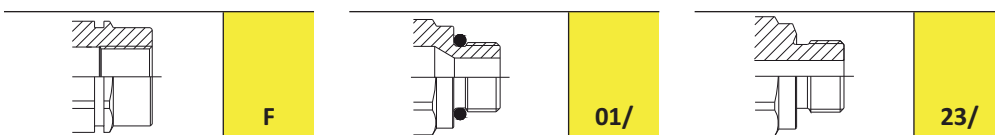
Aluminium dust protections

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Seals Kits

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# PVSM



Screw to connect couplings for high pressure, ISO **14540** interchange, ball valve.

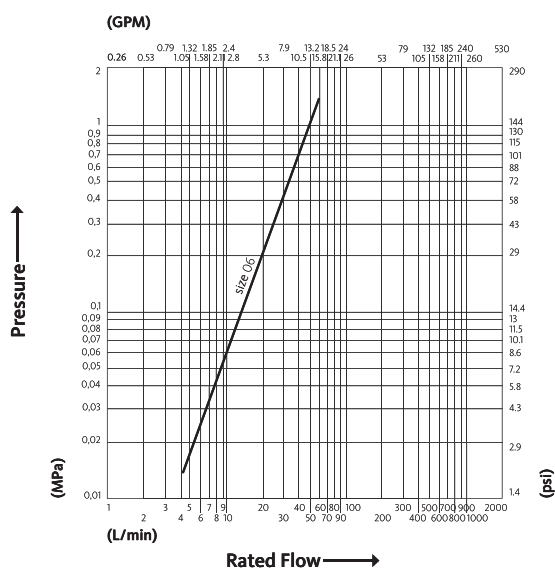
PVSM screw to connect couplings have been purposely designed for the heaviest applications in terms of working pressure. Equipped with a metal-to-metal sealing ball valve they are interchangeable according to ISO 14540 standards.



## Applications



## Pressure Drop



Test performed according to ISO 18869

## Technical Specifications

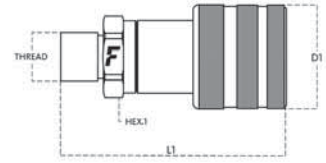
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
06	10	3/8"	72	14	1	0	144	180	260

Material	Steel
Seals	NBR
Working temperatures	- 25 °C to + 125 °C
Surface treatment	MATE 500 (CrIII)
Series Interchange	ISO 14540

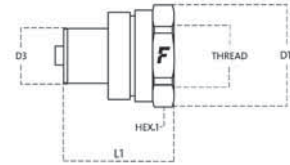
Valve Type	Ball
Connection	Screw to Connect
Disconnection	Unscrew to Disconnect
Connection Under Pressure	Allowed Residual



PVSM

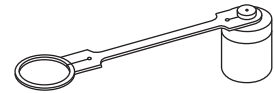
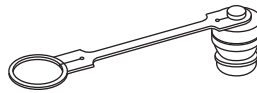


Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
10	3/8"	01/ NPTF	ANSI B1.20.3	NPTF 3/8" MALE	PVSM1/38NPT F	77.5	3.05	36	1.42	25	0.98



Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	PVSM 38 NPT M	39	1.54	35.5	1.4	19	0.75	32	1.26

## PVSM Accessories and Spares



Aluminium dust protections

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Seals Kits

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# FFHP



Flat face couplings, high pressure.

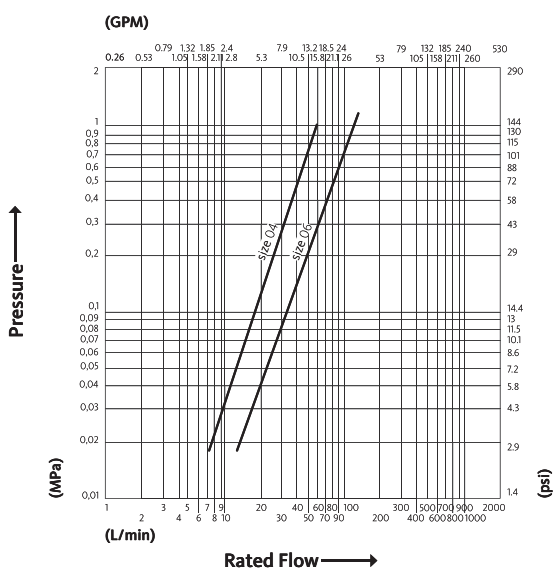
Flat Face coupling with real maximum working pressure up to 72 Mpa, suitable for very high pressure application. Very good resistance to wear and corrosion. Market interchangeable.



Applications



Pressure Drop



Test performed according to ISO 18869

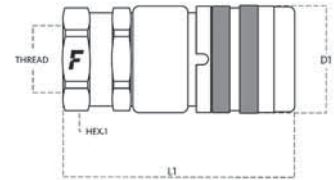
## Technical Specifications

dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
04	6.3	1/4"	72	25	0.01	110	216	150	216
06	10	3/8"	72	46	0.02	200	216	125	216

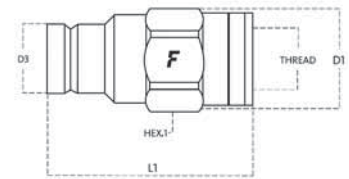
Material	Steel
Seals	NBR; PUR
Working temperatures	- 25 °C to + 100 °C
Surface treatment	MATE 1000 (Zn-Ni)
Series Interchange	MARKET

Valve Type	Flat
Connection	Push to Connect
Disconnection	Sleeve Retraction
Connection Under Pressure	Not Allowed

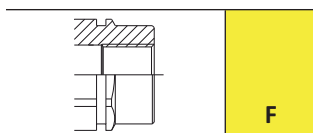
FFHP



Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	FFHP04 14NPT F	58.9	2.32	29.2	1.15	24	0.94
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	FFHP06 38NPT F	75.1	2.96	32.2	1.27	27	1.06



Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	FFHP04 14NPT M	49	1.93	26	1.02	16.5	0.65	24	0.94
10	3/8"	F NPTF	ANSI B1.20.3	NPTF 3/8" FEMALE	FFHP06 38NPT M	68.3	2.69	33	1.3	19.45	0.77	30	1.18



# UHP 100



Couplings for Ultra High Pressure applications (**100 MPa** series).

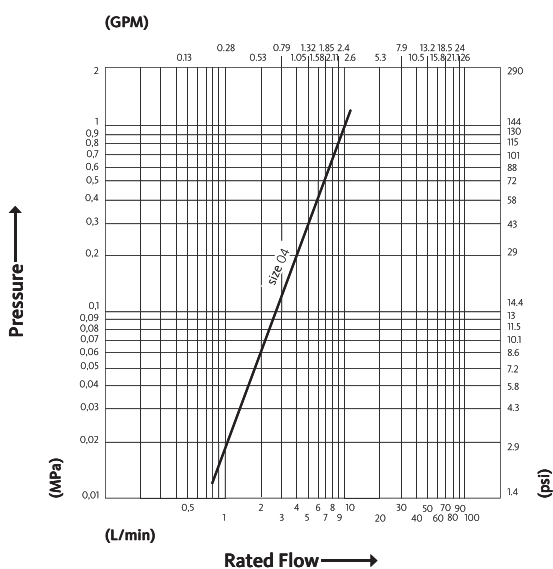
UHP couplings are the most advanced Faster solution for hydraulic applications with ultra high working pressures of 100 MPa and more. Very robust and reliable, they are characterized by redundant visual and mechanical safety systems.



## Applications



## Pressure Drop



## Technical Specifications

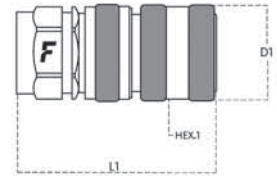
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
04	6.3	1/4"	100	4	0.008	50	300	300	300

Material	Steel
Seals	NBR
Working temperatures	- 25 °C to + 100 °C
Surface treatment	MATE 500 - 1000 (Zn-Ni)
Series Interchange	MARKET

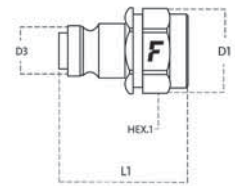
Valve Type	Poppet
Connection	Sleeve Retraction
Disconnection	Sleeve Retraction
Connection Under Pressure	Not Allowed



# UHP 100

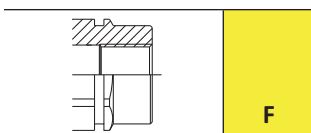


Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
6.3	1/4"	F BSP (Metal Sealing)	ISO 1179-1	BSP 1/4 FEMALE (METAL SEALING)	UHP100 14GMS F	62.3	2.45	28	1.1	24	0.94
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	UHP100 14NPT F	59.3	2.33	28	1.1	24	0.94



Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
6.3	1/4"	F BSP (Metal Sealing)	ISO 1179-1	BSP 1/4 FEMALE (METAL SEALING)	UHP100 14GMS M	39	1.54	25	0.98	14.8	0.58	22	0.87
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	UHP100 14NPT M	38.3	1.51	25	0.98	14.8	0.58	22	0.87

NOTE: Red PVC dust protection are supplied together with the product as a standard.



# UHP 150



Couplings for Ultra High Pressure applications (**150 MPa** series).

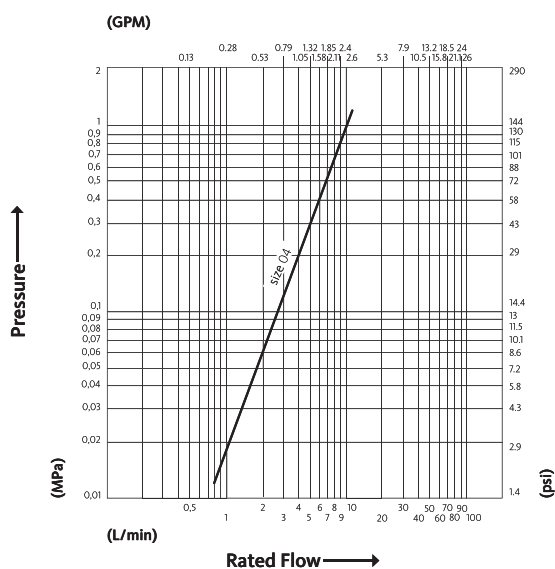
UHP couplings are the most advanced Faster solution for hydraulic applications with ultra high working pressures of 150 MPa and more. Very robust and reliable, they are characterized by redundant visual and mechanical safety systems.



## Applications



## Pressure Drop



Test performed according to ISO 18869

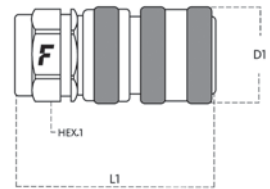
## Technical Specifications

dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
04	6.3	1/4"	150	4	0.008	50	350	350	350

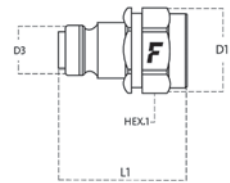
Material	Steel
Seals	NBR
Working temperatures	<b>- 25 °C to + 100 °C</b>
Surface treatment	MATE <b>500 - 1000</b> (Zn-Ni)
Series Interchange	MARKET

Valve Type	Poppet
Connection	Sleeve Retraction
Disconnection	Sleeve Retraction
Connection Under Pressure	Not Allowed

# UHP 150

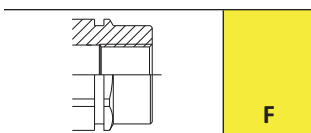


Size		Thread details			FEMALE							
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1		
						mm	inch	mm	inch	mm	inch	
6.3	1/4"	F BSP (Metal Sealing)	ISO 1179-1	BSP 1/4 FEMALE (METAL SEALING)	UHP150 14GMS F	62.3	2.45	28	1.1	24	0.94	
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	UHP150 14NPT F	59.3	2.33	28	1.1	24	0.94	



Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
6.3	1/4"	F BSP (Metal Sealing)	ISO 1179-1	BSP 1/4 FEMALE (METAL SEALING)	UHP150 14GMS M	39	1.54	25	0.98	14.8	0.58	22	0.87
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	UHP150 14NPT M	38.3	1.51	25	0.98	14.8	0.58	22	0.87

NOTE: Black PVC dust protection are supplied together with the product as a standard.



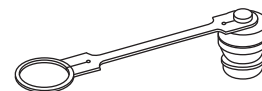


# High Pressure - Accessories



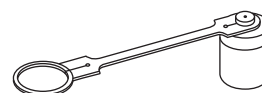
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## Aluminium dust protections



### Dust protections for female couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
04	6.3	1/4"	TMP 14	○	PVVM
06	10	3/8"	TMP 38	○	PVSM - PVVM



### Dust protections for male couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
04	6.3	1/4"	TFP 14	○	PVVM
06	10	3/8"	TFP 38	○	PVSM - PVVM

## Seals Kits



Size			Details		
dash	mm	inch	Part number	Material	Available for Series
04	6.3	1/4"	SK PVVM 14	NBR - PTFE	PVVM
06	10	3/8"	SK PVVM 38	NBR - PTFE	PVSM - PVVM