

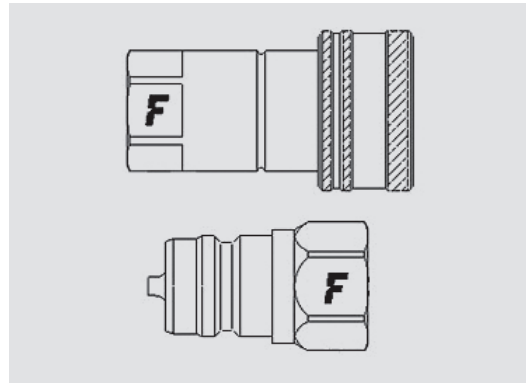
# NV

## Standard couplings with poppet valve. Faster interchangeability (except size 12,5).

Standard couplings for general purpose applications with poppet valve shut-off system. Faster proprietary profile (1/2" size only is interchangeable according to ISO 7241-1 part A).



## Applications



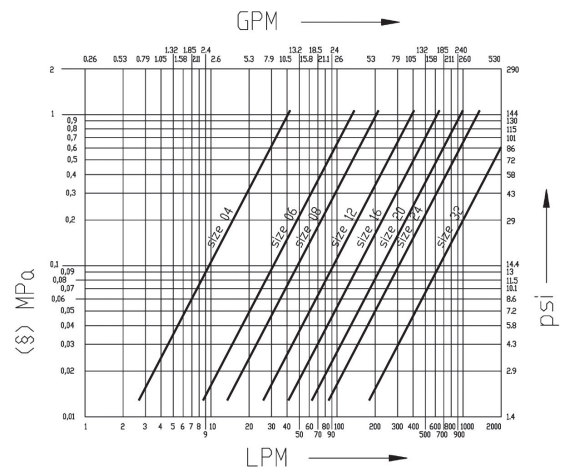
## Technical Specifications

dash	Size mm	inch	Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
							Male	Female	Male + Female
04	6,3	1/4"	35	15	0,8	55	140	140	140
06	10	3/8"	30	50	1,3	85	120	120	140
08	12,5	1/2"	30	75	1,8	80	120	120	130
12	20	3/4"	30	150	8	150	120	120	130
16	25	1"	25	220	13	130	110	110	100
20	31,5	1-1/4"	22	340	30	145	90	90	90
24	37,5	1-1/2"	20	450	34	265	80	80	80
32	50	2"	15	1000	100	250	60	60	60

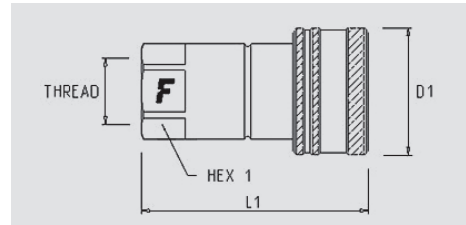
Material	<b>Steel</b>
Seals	<b>NBR; VITON*</b>
Working temperatures	<b>- 25 °C to + 125 °C</b>
Surface treatment	<b>MATE 500 (CrIII)</b>
Series Interchange	<b>FASTER</b>
Valve Type	<b>Poppet</b>
Connection	<b>Sleeve Retraction</b>
Disconnection	<b>Sleeve Retraction</b>
Connection Under Pressure	<b>Not Allowed</b>

\* Working temperatures: - 20 °C to + 200 °C

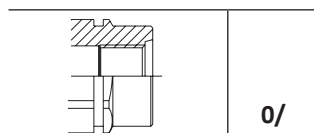
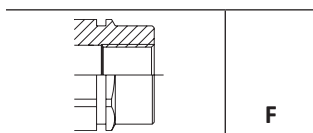
## Pressure Drop



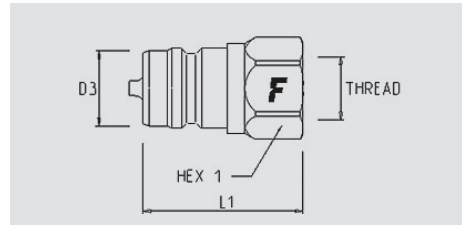
NV



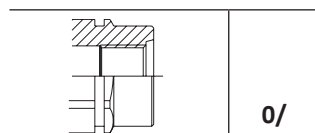
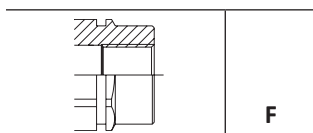
Size		Thread details			FEMALE						
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
1/4"	6,3	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	NV 14-38SAE F	52,5	2,07	27	1,06	19	0,75
1/4"	6,3	F BSPP	ISO 1179-1	BSPP 1/4 FEMALE	NV 14 GAS F	50	1,97	27	1,06	19	0,75
1/4"	6,3	F BSPP	ISO 1179-1	BSPP 1/4 FEMALE	NV 14 GAS F V	50	1,97	27	1,06	19	0,75
1/4"	6,3	F NPTF	ANSI B1.20.3	NPTF 1/4 FEMALE	NV 14 NPT F	50	1,97	27	1,06	19	0,75
3/8"	10	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	NV 38-38SAE F	59,5	2,34	33	1,3	24	0,94
3/8"	10	F BSPP	ISO 1179-1	BSPP 3/8 FEMALE	NV 38 GAS F V	59,5	2,34	33	1,3	24	0,94
3/8"	10	F BSPP	ISO 1179-1	BSPP 3/8 FEMALE	NV 38 GAS F	59,6	2,35	33	1,3	24	0,94
3/8"	10	F NPTF	ANSI B1.20.3	NPTF 3/8 FEMALE	NV 38 NPT F	59,5	2,34	33	1,3	24	0,94
1/2"	12,5	O/ METRIC	ISO 6149-1	M22x1,5 FEMALE ORB	NV0/2215 F	66	2,6	38	1,5	27	1,06
1/2"	12,5	O/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	NV 12-58SAE F	69,5	2,74	38	1,5	32	1,26
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	NV 12 GAS F	66	2,6	38	1,5	27	1,06
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	NV 12 GAS F V	66	2,6	38	1,5	27	1,06
1/2"	12,5	F JPT	UNI EN 10226-2	RC 1/2 FEMALE (JPT)	NV 12 JPT F	66	2,6	38	1,5	27	1,06
1/2"	12,5	F METRIC	ISO 9974-1	M22x1,5 FEMALE	NV 2215 F	66	2,6	38	1,5	27	1,06
1/2"	12,5	F NPTF	ANSI B1.20.3	NPTF 1/2 FEMALE	NV 12 NPT F	66	2,6	38	1,5	27	1,06
3/4"	20	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	NV 34 GAS F	84	3,31	48	1,89	34	1,34
3/4"	20	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	NV 34 GAS F V	84	3,31	48	1,89	34	1,34
3/4"	20	F NPTF	ANSI B1.20.3	NPTF 3/4 FEMALE	NV 34 NPT F	83	3,27	48	1,89	34	1,34
1"	25	F BSPP	ISO 1179-1	BSPP 1 FEMALE	NV 1 GAS F	99,5	3,92	56	2,2	41	1,61
1"	25	F NPTF	ANSI B1.20.3	NPTF 1 FEMALE	NV 1 NPT F	99,5	3,92	56	2,2	41	1,61
1-1/4"	31,5	F BSPP	ISO 1179-1	BSPP 1-1/4 FEMALE	NV114 GAS F	82,5	3,25	48	1,89	34	1,34
1-1/4"	31,5	F NPTF	ANSI B1.20.3	NPTF 1-1/4 FEMALE	NV114 NPT F	115	4,53	70	2,76	50	1,97
1-1/2"	37,5	F BSPP	ISO 1179-1	BSPP 1-1/2 FEMALE	NV112 GAS F	127,5	5,02	84	3,31	60	2,36
1-1/2"	37,5	F NPTF	ANSI B1.20.3	NPTF 1-1/2 FEMALE	NV112 NPT F	127,5	5,02	84	3,31	60	2,36
2"	50	F BSPP	ISO 1179-1	BSPP 2 FEMALE	NV 2 GAS F	151	5,94	119	4,69	75	2,95



NV



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	
1/4"	6,3	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	NV 14-38SAE M	35,5	1,4	21	0,83	14,1	0,56	19	0,75	
1/4"	6,3	F BSPP	ISO 1179-1	BSPP 1/4 FEMALE	NV 14 GAS M	33	1,3	21	0,83	14,1	0,56	19	0,75	
1/4"	6,3	F BSPP	ISO 1179-1	BSPP 1/4 FEMALE	NV 14 GAS M V	33	1,3	21	0,83	14,1	0,56	19	0,75	
1/4"	6,3	F NPTF	ANSI B1.20.3	NPTF 1/4 FEMALE	NV 14 NPT M	33	1,3	21	0,83	14,1	0,56	19	0,75	
3/8"	10	O/ SAE	ISO 11926-1	9/16"-18 UNF FEMALE ORB	NV 38-38SAE M	39	1,54	27	1,06	18,9	0,74	24	0,94	
3/8"	10	F BSPP	ISO 1179-1	BSPP 3/8 FEMALE	NV 38 GAS M V	39	1,54	27	1,06	18,9	0,74	24	0,94	
3/8"	10	F NPTF	ANSI B1.20.3	NPTF 3/8 FEMALE	NV 38 NPT M	39	1,54	27	1,1	18,9	0,74	24	0,94	
3/8"	10	F BSPP	ISO 1179-1	BSPP 3/8 FEMALE	NV 38 GAS M	39	1,54	55	2,17	19	0,75	24	0,94	
1/2"	12,5	O/ BSPP	BS 5380	BSPP 1/2 FEMALE ORB	NV0/12 GAS M	44	1,73	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	O/ SAE	ISO 11926-1	3/4"-16 UNF FEMALE ORB	NV 12-12SAE M	44	1,73	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	O/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	NV 12-58SAE M	51	2,01	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	NV 12 GAS M	44	1,73	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	NV 12 GAS M V	44	1,73	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	F JPT	UNI EN 10226-2	RC 1/2 FEMALE (JPT)	NV 12 JPT M	44	1,73	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	F METRIC	ISO 9974-1	M22x1,5 FEMALE	NV 2215 M	44	1,73	30	1,18	20,5	0,81	27	1,06	
1/2"	12,5	F NPTF	ANSI B1.20.3	NPTF 1/2 FEMALE	NV 12 NPT M	44	1,73	30	1,18	20,5	0,81	27	1,06	
3/4"	20	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	NV 34 GAS M	55	2,17	38	1,5	27,9	1,1	34	1,34	
3/4"	20	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	NV 34 GAS M V	55	2,17	38	1,5	27,9	1,1	34	1,34	
3/4"	20	F NPTF	ANSI B1.20.3	NPTF 3/4 FEMALE	NV 34 NPT M	55	2,17	38	1,5	27,9	1,1	34	1,34	
1"	25	F BSPP	ISO 1179-1	BSPP 1 FEMALE	NV 1 GAS M	39	1,54	27	1,06	18,9	0,74	41	1,61	
1"	25	F NPTF	ANSI B1.20.3	NPTF 1 FEMALE	NV 1 NPT M	66	2,6	45	1,77	31,3	1,23	41	1,61	
1"	25	F NPTF	ANSI B1.20.3	NPTF 1 FEMALE	NV 1 NPT M V	66	2,6	45	1,77	31,3	1,23	41	1,61	
1-1/4"	31,5	F NPTF	ANSI B1.20.3	NPTF 1-1/4 FEMALE	NV114 NPT M	73	2,87	55,5	2,19	43,9	1,73	50	1,97	
1-1/4"	31,5	F BSPP	ISO 1179-1	BSPP 1-1/4 FEMALE	NV114 GAS M	59,5	2,34	33	1,3	44	1,73	24	0,94	
1-1/2"	37,5	F BSPP	ISO 1179-1	BSPP 1-1/2 FEMALE	NV112 GAS M	83	3,27	66	2,6	53,4	2,1	60	2,36	
1-1/2"	37,5	F NPTF	ANSI B1.20.3	NPTF 1-1/2 FEMALE	NV112 NPT M	83	3,27	66	2,6	53,4	2,1	60	2,36	
2"	50	F BSPP	ISO 1179-1	BSPP 2 FEMALE	NV 2 GAS M	100	3,94	86,9	3,42	82	3,23	75	2,95	



# NV Accessories

## PVC dust caps



Plugs suitable for FEMALE

Size			Plug Details	
inch	mm	dash	Part number	Colour
1/4"	6,3	04	TM 14	blue
1/4"	6,3	04	TM 14 A	orange
1/4"	6,3	04	TM 14 G	yellow
1/4"	6,3	04	TM 14 GR	grey
1/4"	6,3	04	TM 14 N	black
1/4"	6,3	04	TM 14 R	red
1/4"	6,3	04	TM 14 V	green
3/8"	10	06	TM 38	blue
3/8"	10	06	TM 38 G	yellow
3/8"	10	06	TM 38 R	red
3/8"	10	06	TM 38 V	green
1/2"	12,5	08	TM 12 L	blue
1/2"	12,5	08	TM 12 L/A	orange
1/2"	12,5	08	TM 12 L/G	yellow
1/2"	12,5	08	TM 12 L/M	brown
1/2"	12,5	08	TM 12 L/N	black
1/2"	12,5	08	TM 12 L/R	red
1/2"	12,5	08	TM 12 L/V	green
3/4"	20	12	TM 34	blue
1"	25	16	TM 1	blue
1"	25	16	TM 1 R	red



Caps suitable for MALE

Size			Plug Details	
inch	mm	dash	Part number	Colour
1/4"	6,3	04	TF 14	blue
1/4"	6,3	04	TF 14 G	yellow
1/4"	6,3	04	TF 14 N	black
1/4"	6,3	04	TF 14 R	red
1/4"	6,3	04	TF 14 V	green
3/8"	10	06	TF 38	blue
3/8"	10	06	TF 38 R	red
1/2"	12,5	08	TF 12	blue
1/2"	12,5	08	TF 12 A	orange
1/2"	12,5	08	TF 12 G	yellow
1/2"	12,5	08	TF 12 GR	grey
1/2"	12,5	08	TF 12 M	brown
1/2"	12,5	08	TF 12 N	black
1/2"	12,5	08	TF 12 R	red
1/2"	12,5	08	TF 12 V	green
3/4"	20	12	TF 34	blue
1"	25	16	TF 1	blue



Plugs suitable for FEMALE

Size			Plug Details	
inch	mm	dash	Part number	Colour
1/2"	12,5	08	TM 12-38	blue
1/2"	12,5	08	TM 12-38 G	yellow
1/2"	12,5	08	TM 12-38 GR	grey
1/2"	12,5	08	TM 12-38 M	brown
1/2"	12,5	08	TM 12-38 N	black
1/2"	12,5	08	TM 12-38 R	red
1/2"	12,5	08	TM 12-38 V	green

## Aluminium dust caps



Plugs suitable for FEMALE



Caps suitable for MALE

Size			Plug Details		Size			Cap Details	
inch	mm	dash	Part number	Colour	inch	mm	dash	Part number	Colour
1/4"	6,3	04	TM 14 S		1/4"	6,3	04	TF 14 S	
1/2"	12,5	08	TM 12 S		1/2"	12,5	08	TF 12 S	
3/4"	20	12	TM 34 S		3/4"	20	12	TF 34 S	
1"	25	16	TM 1 S		1"	25	16	TF 1 S	
1-1/4"	31,5	20	TM114 S		1-1/4"	31,5	20	TF114 S	
1-1/2"	37,5	24	TM112 S		1-1/2"	37,5	24	TF112 S	
2"	50	32	TM 2 S		2"	50	32	TF 2 S	

## Seal Kits



### For Female

Size			Seal Details	
inch	mm	dash	Material	Part Number
1/4"	6,3	04	NBR; PTFE	SK NV 14
3/8"	10	06	NBR; PTFE	SK NV 38
1/2"	12,5	08	NBR; PTFE	SK NV 12
3/4"	20	12	NBR; PTFE	SK NV 34
1"	25	16	NBR; PTFE	SK NV 1
1-1/4"	31,5	20	NBR	SK NV 114
1-1/2"	37,5	24	NBR	SK NV 112
2"	50	32	NBR	SK NV 2

Every seals kit is composed of 5 or 10 pcs.