



▶ THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- 1) Connectable with male and female parts under maximum working pressure.
- 2) No leakage at low pressure when connected or disconnected.
- 3) Flat-face design to avoid dirt contamination.
- 4) Completely covered threads to avoid accidental damages.
- 5) **FPQ FASTER® Premier Quality** high protection against corrosion (see at page 37).
- 6) Soft Nylon protective covers (PRO series) and aluminium protections are available to ensure a higher resistance to atmospheric agents (see at page 45).

▶ 3FFV

FEATURES:

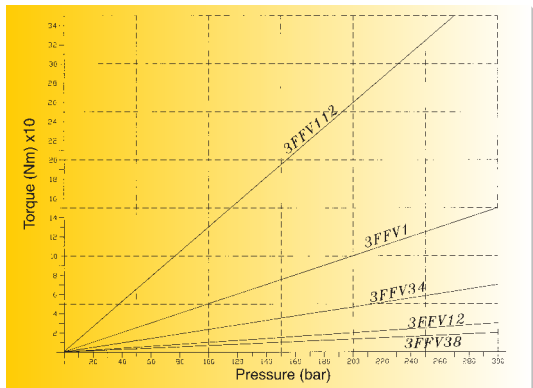
- **Connection system:** screw-on
- **Disconnection system:** screw-on
- **Shut-off system:** flat valve
- **Connectability:** both male and female couplings under pressure
- **Disconnection under pressure:** allowed
- **Interchangeability:** according to Faster internal standard
- Screw-on latching system by hexagonal sleeve
- Male couplings with double valve
- Additional safety sleeve
- FPQ Faster Premier Quality surface treatment (see page 37)
- Automatic slider for threads protection
- Double threaded connection

▶ **Technical data**

Size ❖	DN Nominal diameter		Rated flow		Max. work. pressure *		Minimum burst pressure						Fluid spillage cc max.	
	mm	inc.	l/min	GPM	MPa	PSI	Connected		Male		Female			
							MPa	PSI	MPa	PSI	MPa	PSI		
3/8"	06	9	0,35	45	11,9	30	4350	134	19430	140	20300	110	15950	0,008
1/2"	08	11	0,43	72	19	30	4350	105	15225	100	14500	100	14500	0,01
3/4"	12	16	0,63	150	39,7	30	4350	100	14500	100	14500	100	14500	0,025
1"	16	18	0,71	200	52,9	40	5800	120	17400	160	23200	120	17400	0,03
1 1/2"	24	25	0,98	320	84,7	40	5800	120	17400	160	23200	120	17400	0,04

*Safety factor = 1:4 - for static pressure safety factor 1:2

Connection torque



All data in the graphic can be different based on the equipment used and the working conditions. For more precise technical information please contact **Faster Technical Dept.**

Pressure drop graph: test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female and male in steel with grade carbon steel.
- Valves in steel.
- Surface treatment:
- **FPQ FASTER® Premier Quality** (see page 37)
- Springs in stainless steel.
- High resistance balls 100 C6.

Seals:

Standard in Polyurethane and oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

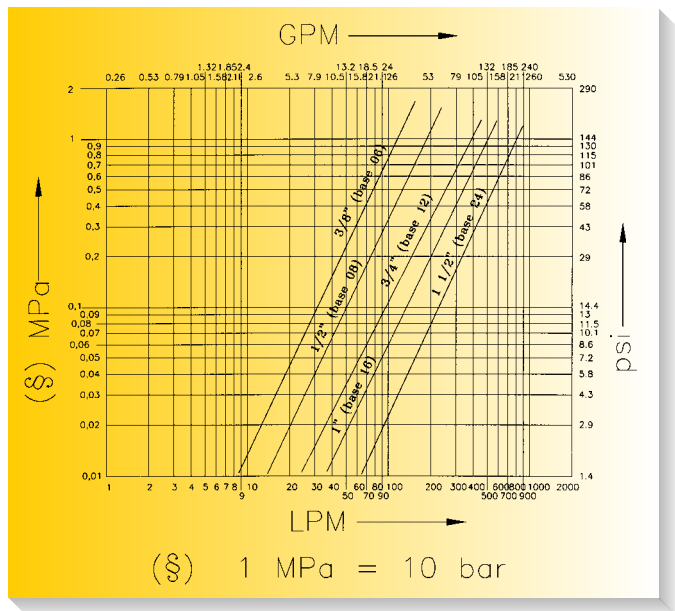
Working temperatures:

from -25°C (-13°F) to +100°C (+212°F).
For different temperature, the quick-release coupling will be supplied with the appropriate seals.

Series **3FFV**



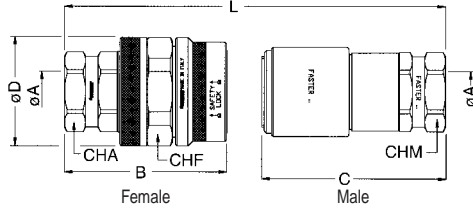
Patent Application Pending



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► Available items

Series **3FFV**



❖	Female		Male		Thread Ø A		Standards		B		C		Ø D		L		CHF		CHM		Ø T		P	
					mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
	06	3FFV38 GAS F	3FFV38 GAS M	3/8" BSP	DIN 3852-2-X	73,8	2,91	77,3	3,04	40	1,57	134,9	5,31	36	1,42	27	1,06	27	1,06	27	1,06			
		3FFV38-12 GAS F	3FFV38-12 GAS M	1/2" BSP	DIN 3852-2-X	75,4	2,97	77,3	3,04	40	1,57	134,9	5,31	36	1,42	27	1,06	27	1,06	27	1,06			
		3FFV38 NPT F	3FFV38 NPT M	3/8" NPTF	ANSI B1.20.3	73,8	2,91	77,3	3,04	40	1,57	134,9	5,31	36	1,42	27	1,06	27	1,06	27	1,06			
		*3FFV38-12 NPT F	*3FFV38-12 NPT M	1/2" NPTF	ANSI B1.20.3	75,4	2,97	77,3	3,04	40	1,57	134,9	5,31	36	1,42	27	1,06	27	1,06	27	1,06			
	08	3FFV12 GAS F	3FFV12 GAS M	1/2" BSP	DIN 3852-2-X	81,8	3,22	87,5	3,44	45	1,77	151,5	5,96	41	1,61	32	1,26	30	1,18	30	1,18			
		*3FFV12-34 GAS F	*3FFV12-34 GAS M	3/4" BSP	DIN 3852-2-X	81,8	3,22	92,5	3,64	45	1,77	156,5	6,16	41	1,61	34	1,34	32	1,26	30	1,18			
		3FFV12 NPT F	3FFV12 NPT M	1/2" NPTF	ANSI B1.20.3	81,8	3,22	87,5	3,44	45	1,77	151,5	5,96	41	1,61	32	1,26	30	1,18	30	1,18			
		*3FFV12-34 NPT F	*3FFV12-34 NPT M	3/4" NPTF	ANSI B1.20.3	81,8	3,22	92,5	3,64	45	1,77	156,5	6,16	41	1,61	34	1,34	32	1,26	30	1,18			
	12	3FFV34 GAS F	3FFV34 GAS M	3/4" BSP	DIN 3852-2-X	97,2	3,83	106,5	4,19	54	2,13	181,5	7,15	50	1,97	42	1,65	42	1,65	42	1,65			
		3FFV34-1 GAS F	3FFV34-1 GAS M	1" BSP	DIN 3852-2-X	97,2	3,83	106,5	4,19	54	2,13	181,5	7,15	50	1,97	42	1,65	42	1,65	42	1,65			
		3FFV34 NPT F	3FFV34 NPT M	3/4" NPTF	ANSI B1.20.3	97,2	3,83	106,5	4,19	54	2,13	181,5	7,15	50	1,97	42	1,65	42	1,65	42	1,65			
		*3FFV34-1 NPT F	*3FFV34-1 NPT M	1" NPTF	ANSI B1.20.3	97,2	3,83	106,5	4,19	54	2,13	181,5	7,15	50	1,97	42	1,65	42	1,65	42	1,65			
16	3FFV1 GAS F	3FFV1 GAS M	1" BSP	DIN 3852-2-X	101,4	3,99	119,2	4,69	70	2,76	196,7	7,74	65	2,56	46	1,81	46	1,81	46	1,81				
	3FFV1-114G F	3FFV1-114G M	1" 1/4 BSP	DIN 3852-2-X	103,9	4,09	121,7	4,79	70	2,76	201,7	7,97	65	2,56	55	2,17	55	2,17	55	2,17				
	3FFV1 NPT F	3FFV1 NPT M	1" NPTF	ANSI B1.20.3	101,4	3,99	119,2	4,69	70	2,76	196,7	7,74	65	2,56	46	1,81	46	1,81	46	1,81				
	*3FFV1-114N F	*3FFV1-114N M	1" 1/4 NPT	ANSI B1.20.3	103,9	4,09	121,7	4,79	70	2,76	201,7	7,94	65	2,56	55	2,17	55	2,17	55	2,17				
24	3FFV112 GAS F	3FFV112 GAS M	1" 1/2 BSP	DIN 3852-2-X	119	4,69	135,3	5,33	90	3,54	229,4	9,03	85	3,35	70	2,76	70	2,76	70	2,76				
	3FFV112-114G F	3FFV112-114G M	1" 1/4 BSP	DIN 3852-2-X	119	4,69	135,3	5,33	90	3,54	229,4	9,03	85	3,35	70	2,76	70	2,76	70	2,76				
	*3FFV112 NPT F	*3FFV112 NPT M	1" 1/2 NPT	ANSI B1.20.3	119	4,69	135,3	5,33	90	3,54	229,4	9,03	85	3,35	70	2,76	70	2,76	70	2,76				
	*3FFV112-114N F	*3FFV112-114N M	1" 1/4 NPT	ANSI B1.20.3	119	4,69	135,3	5,33	90	3,54	229,4	9,03	85	3,35	70	2,76	70	2,76	70	2,76				
	06	3FFV38-38SAE F	3FFV38-38SAE M	9/16" UNF	SAE J 1926-1	73,8	2,91	77,3	3,04	40	1,57	134,9	5,31	36	1,42	27	1,06	27	1,06					
		3FFV12-12SAE F	3FFV12-12SAE M	3/4" UNF	SAE J 1926-1	81,8	3,22	87,5	3,44	45	1,77	151,5	5,96	41	1,61	32	1,26	30	1,18	30	1,18			
	12	3FFV12-58SAE F	3FFV12-58SAE M	7/8" UNF	SAE J 1926-1	81,8	3,22	87,5	3,44	45	1,77	151,5	5,96	41	1,61	32	1,26	30	1,18	30	1,18			
		3FFV34-34SAE F	3FFV34-34SAE M	1" 1/16 UN	SAE J 1926-1	97,2	3,83	106,5	4,19	54	2,13	181,5	7,15	50	1,97	41	1,61	42	1,65					
	16	3FFV1-1SAE F	3FFV1-1SAE M	1" 5/16 UN	SAE J 1926-1	101,4	3,99	119,2	4,69	70	2,76	196,7	7,74	65	2,56	46	1,81	46	1,81	46	1,81			
24	3FFV1-114S F	3FFV1-114S M	1" 5/8 UN	SAE J 1926-1	103,9	4,09	121,7	4,79	70	2,76	201,7	7,94	65	2,56	55	2,17	55	2,17	55	2,17				
	3FFV1-0/114G F	3FFV1-0/114G M	1" 1/4 BSP	DIN 3852	103,9	4,09	121,7	4,79	70	2,76	201,7	7,94	65	2,56	55	2,17	55	2,17	55	2,17				
	06	3FFV38-11/12S F	3FFV38-11/12S M	13/16" UN	ISO 8434-3	82,7	3,26	86,2	3,39	40	1,57	152,7	6,01	36	1,42	27	1,06	27	1,06					
		08	3FFV12-11/12S F	3FFV12-11/12S M	13/16" UN	ISO 8434-3	85,8	3,38	91,5	3,60	54	2,13	159,5	6,28	41	1,61	30	1,18	30	1,18				
	24	3FFV112-34/20 F	3FFV112-34/20 M	3/4"	SAE J518	149,5	5,89	162,3	6,39	90	3,54	286,9	11,30	85	3,35									

❖ ISO size GAS = BSP *On request

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► Spare parts kit

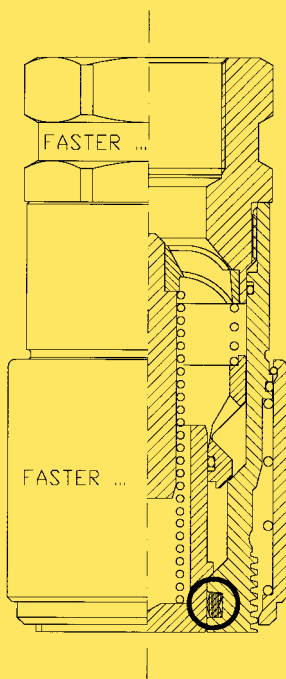
When seals are damaged due to wear of foreign material, it is necessary to replace them. **Originali FASTER® spare parts kit** are available. Detailed instructions are included to achieve the correct replacement of damaged parts.

No special tools are required to carry out replacement.

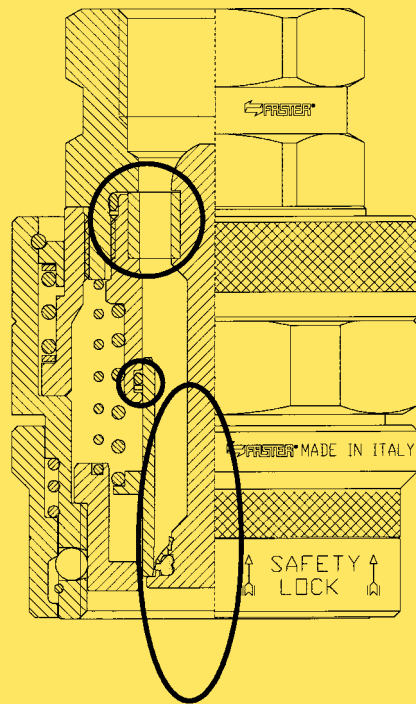
Do not use sharpened tools to change the seals that could damage the new seals of the coupling itself.

A tool kit to replace the seals is available with code KIT UT2PO.

Series	Size		Spare part kit	
			Male coupling Standard seals	Female coupling Standard seals
3FFV38	3/8"	06	KIT 3FFV38 M	KIT 3FFV38 F
3FFV12	1/2"	08	KIT 3FFV12 M	KIT 3FFV12 F
3FFV34	3/4"	12	KIT 3FFV34 M	KIT 3FFV34 F
3FFV1	1"	16	KIT 3FFV1 M	KIT 3FFV1 F
3FFV112	1 1/2"	24	KIT 3FFV112 M	KIT 3FFV112 F



Male coupling



Female coupling