FASTER®

LEHENGOAK, S.A.

Series 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 40)
- Automatic slider for threads protection
- Double threaded connection

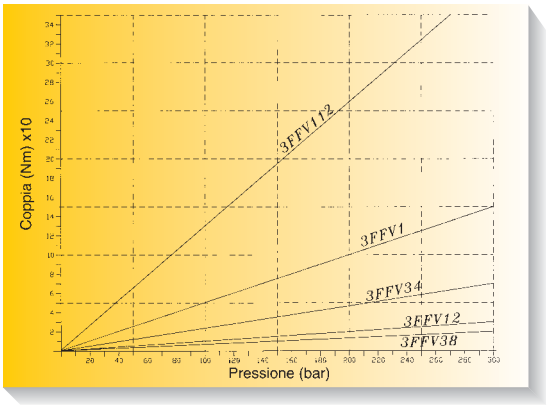
Patent Application Pending

Technical data

Size ❖		DN Nominal diameter		Rated flow		Max. work. pressure *		Minimum burst pressure						Fluid spillage
								Connected		Male		Female		
		mm	inc.	l/min	GPM	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc max.
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	190	50,2	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

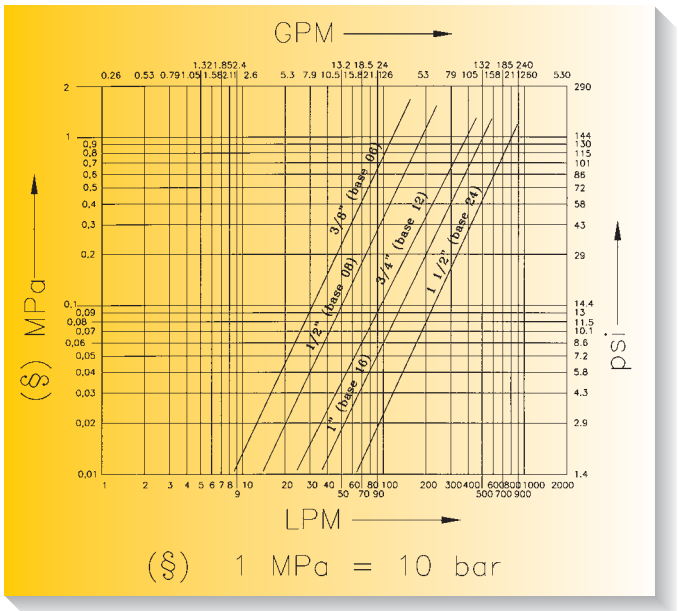
Connection torque



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.**

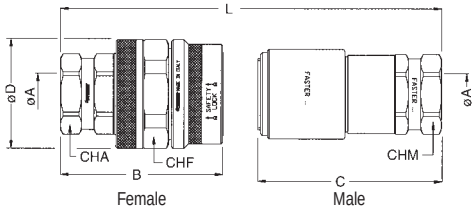
Pressure drop graph: test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.
Materials:
- Female and male in steel with grade carbon steel.
- Valves in steel.
- Surface treatment:
  FPQ FASTER® Premier Quality (see page 40)
- Springs in stainless steel.
- High resistance 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.



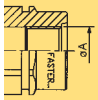
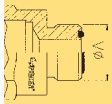
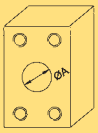
▶ Available items

Series 3FV



FASTER®

LEHENGOAK, S.A.

	❖	Female	Male	Thread Ø A	Standards	B mm	B inc.	C mm	C inc.	Ø D mm	Ø D inc.	L mm	L inc.	CHF mm	CHF inc.	CHM mm	CHM inc.	Ø T mm	Ø T inc.	P mm	P 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		
		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		
		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		
		*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		
	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		
		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		
		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		
		*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		
	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		
		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		
		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		
		*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		
	16	3FFV1 GAS FS	3FFV1 GAS MS	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		
		3FFV1-114G FS	3FFV1-114G MS	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		
		3FFV1 NPT FS	3FFV1 NPT MS	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		
		*3FFV1-114N FS	*3FFV1-114N MS	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		
	24	3FFV112 GAS FS	3FFV112 GAS MS	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		
		3FFV112-114G FS	3FFV112-114G MS	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		
		*3FFV112 NPT FS	*3FFV112 NPT MS	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		
		*3FFV112-114N FS	*3FFV112-114N MS	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		
	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		
	08	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		
		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		
	12	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 FS	3FFV1-1SAE MS	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		
		3FFV1-114S FS	3FFV1-114S MS	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		
	24	3FFV112-114S FS	3FFV112-114S MS	1" 5/8 UN	SAE J 1926-1	119	4,69	135,3	5,33	90	3,54	229,4	9,03	85	3,35	70	2,76	70	2,76		
	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 FS	3FFV112-34/20 MS	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