

Features

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut-off system:** poppet valve
- **Connectability:** only male coupling under pressure
- **Disconnection under pressure:** just in case of emergency
- **Interchangeability:** according to ISO 7241-1 part A standard

- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for flexible hoses
- Panel mounting by the sleeve
- Breakaway feature (if panel mounted)
- Internal patented mechanical block



Patent
Application
Pending

Technical data

Size	DN Nominal diameter		Rated Flow		Force to connect		Max. working pressure *		Minimum burst pressure						Fluid spillage
									Connected		Male		Female		
	mm	inc	l/min.	GPM	N	lb.	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc. max
08	10,5	0.41	70	18.5	185	40	25	3625	100	14500	105	15250	100	14500	1.8

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

Pressure drop graph:

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

Materials:

- Female in steel with wear parts carbonitrited.
- Male in high grade carbon steel, induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and yellow passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

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

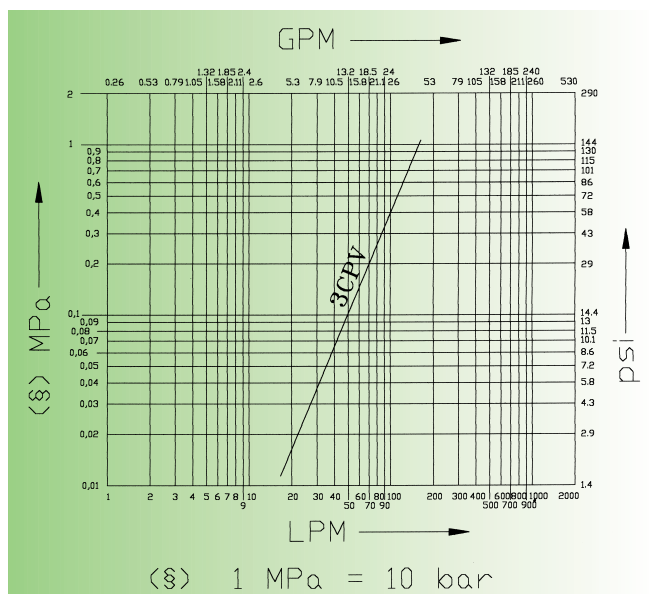
Antiextrusion rings:

In pure PTFE.

Working temperatures:

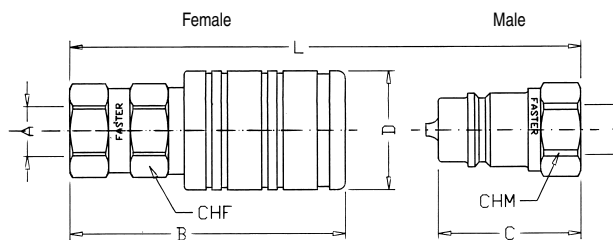
with standard seals in NBR (Nitrile Rubber)
from -25°C (-13°F) to +125°C (+257°F).

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the appropriate seals.



The descriptions and illustrations in this catalogue are for information only and are not binding.

Series 3CPV



	Female	Male	Ø A	Standards	B		C		Ø D		L		CHF		CHM		Ø T		OEM's users
					mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	
	3CPV 12GAS F	Male coupling according to ISO 7241-1 part A (see page 6)	1/2" BSP	DIN 3852-2-X	89,3	3,52	44	1,73	38	1,50	111,3	4,38	27	1,06	27	1,06			C-F-I-P
	3CPV 12NPT F		1/2" NPTF	ANSI B 1.20.3	89,3	3,52	44	1,73	38	1,50	111,3	4,38	27	1,06	27	1,06			N
	3CPV 34UNF F		3/4" UNF	SAE J 1926-1	89,3	3,52	44	1,73	38	1,50	111,3	4,38	27	1,06	27	1,06			L-N
	3CPV 34UNF F MF		3/4" UNF	SAE J 1926-1	89,3	3,52	44	1,73	39,7	1,56	111,3	4,38	27	1,06	27	1,06			
	3CPV 78UNF F		7/8" UNF	SAE J 1926-1	91,3	3,59	44	1,73	38	1,50	111,3	4,38	27	1,06	27	1,06			
	3CPV 0/2215 F		M22x1,5	ISO 6149-1	89,3	3,52	44	1,73	38	1,50	111,3	4,38	27	1,06	27	1,06			
	3CPV 0/2215 F		M22x1,5	ISO 6149-1	89,3	3,52	44	1,73	39,7	1,56	111,3	4,38	27	1,06	27	1,06			H
	3CPV 1/12GAS F		1/2" BSP	DIN 3852-2-B	85,4	3,36	44	1,73	38	1,50	107,4	4,23	27	1,06	27	1,06			
	3CPV 1/34UNF F		3/4" UNF	SAE J 1926-3	85,4	3,36	44	1,73	38	1,50	107,4	4,23	27	1,06	27	1,06			
	3CPV 2/1815 F		M18x1,5	ISO 6149-2	85,3	3,36	44	1,73	38	1,50	107,3	4,22	27	1,06	27	1,06	12,2	0,48	
	3CPV 2/2215 F		M22x1,5	ISO 6149-2	86,3	3,40	44	1,73	38	1,50	108,3	4,26	27	1,06	27	1,06	15,2	0,60	
	3CPV 7/2215 F		M22x1,5	ISO 8434-1-L	100,3	3,95	44	1,73	38	1,50	122,3	4,81	27	1,06	27	1,06	15,2	0,60	
	3CPV 11/08SAE F		13/16" UN	ISO 8434-3	87,1	3,43	44	1,73	38	1,50	109,1	4,30	27	1,06	27	1,06			
	3CPV 13/58SAE F		7/8" UNF	ISO 8434-2	93,6	3,69	44	1,73	38	1,50	115,6	4,55	27	1,06	27	1,06			
	3CPV 16/12GAS F		1/2" BSP	DIN 3863	88,3	3,48	44	1,73	38	1,50	110,3	4,34	27	1,06	27	1,06			

❖ Size GAS = BSP *On request

Caption OEM's Users

A - Agritalia	D - Agco Fendt	G - Case	L - Landini	O - Renault	R - Steyr
B - Claas	E - Goldoni	H - John Deere	M - Massey Ferguson	P - Same	
C - Deutz Fahr	F - Hürlimann	I - Lamborghini	N - New Holland Italia	Q - Valtra	