CAT. 0112-GB

▶ Agricultural Series to ISO 7241-A Standards

FASTER®

ICIM
UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949

CISQ

▶ QUICK-RELEASE COUPLINGS FOR AGRICULTURE

▶ Features

- Interchangeable according to international standards specific for the agriculture field
- Internal components purposely designed to reduce turbolences and consequent pressure drop
- Rolled surfaces in sealing area to ensure the lowest roughness
- Great number of latching balls
- Hardened valve bodies to stand crashes
- Contenitive washer with special seal to reduce the risk of extrusion
- Guidevalve with mechanical backstop to achieve a perfect interchangeability between ball and poppet valved couplings
- Parts subject to loads and wear are hardened by heat treatment
- Carbonitrided sleeve on female couplings
- Balls racing area on the male coupling induction hardened
- NBR seals
- PTFE back-up ring
- Metal shoulder to protect the O-ring seal on female coupling
- Wide range of threads and connectors
- Accessories and spare parts kit available with detailed assembling instructions

▶ Applications

- Quick release couplings purposely designed for agricultural applications
- Several versions are approved and used by the most important manufacturers of tractors and attachments in the world
- Conformity to ISO 7241-1 part A standards ensures the interchangeability all over the world
- VF... series couplings comply with ISO 5676 standard and are designed to connect hydraulic brakes systems
- Quick release couplings described within this catalogue are suitable for all the applications which satisfy technical requirements of the products

▶ Benefits

NV series, NS series
- Connection-disconnection by pulling back the sleeve
- Poppet valve (NV series) or ball valve (NS series) shut-off system
- 1/2” size according to ISO 7241-1 part A standard

PV series
- Interchangeable according to ISO 7241-1 part A standard
- Push-Pull connection system
- Panel mounting by the sleeve
- Suitable for flexible hoses
- Breakaway feature to prevent hose breaking in case of accidental disconnection of the attachment

3... series
- Interchangeable according to ISO 7241-1 part A standard
- Push-Pull connection system
- Connectable with male coupling under pressure
- Disconnection under pressure in case of emergency
- Internal mechanical block patented to prevent valves enclosures due to flow inversions and peaks
- Suitable for flexible hoses (3CPV series), for rigid tubes or to be assembled on the distributor (3CFPV series)
- Breakaway feature

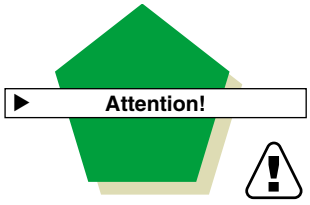
4... series
- With the same features as 3... series but connectable with both male and female couplings under pressure in the same time
- Disconnectable under pressure
- Suitable for rigid tubes or to be assembled on the distributor
- Frontal relief microvalve with Polyurethane seals

VF... series
- Quick release couplings for hydraulic brakes systems interchangeable according to ISO 5676 standard
- Flat valve shut-off system to reduce oil spillage
- Additional safety sleeve to prevent accidental disconnection (VFS series)
- Internal safety slider patented to prevent disconnection when safety conditions (locked trailer) are not occuring (VFB series)

▶ Recommendations

- **Improper use and incorrect maintenance of products with high internal working pressures could cause malfunctioning and damage to persons and machines.**
  Therefore it is necessary to carefully conform to the simple instructions contained in this catalogue.
  For any further information please contact **FASTER® Technical Department.**
- Before using a new quick-release coupling, please carefully check all data reported in our catalogues.
- Make sure that the coupling is suitable for pressure and flow characteristics requested by the applications.
- Lubricate the seals and perform a connect and disconnect operation in order to check the perfect functioning of the coupling.
- Verify that threads fit and that their sealing is correct.
- If necessary replace damaged components with **FASTER® original spare parts.**
- **Before any connection and disconnection carefully clean both male and female parts** to prevent dirt inclusions into the circuit and consequent seals damage.
  When couplings are disconnected, please protect them with **original FASTER® plugs.**

Attention!



- When a disconnection is performed on an agricultural machine, there could be a **residual pressure** that depending on temperature and position, could reach high values. This prevents opening the valve in the male part and as a consequence, the connection is not possible.
- **Avoid forcing the coupling valve to decrease residual pressure.**
- Use female part suitable for connection under pressure.
- **Do not use any sharpened tools which could damage the seals when opening the valves.**

Guarantee

- All **FASTER®** quick-release couplings are designed and produced in conformity with the regulations of Quality Managing System according to **UNI EN ISO 9001** and **UNI ISO/TS 16949 Standards.**
- They bear the **FASTER®** logo to guarantee their origin and reliability.
- **FASTER®** quick-release couplings are distribuited worldwide through a network of highly qualified distributors.
- If a **FASTER®** quick-release coupling is connected to a correspondent competitor's type please **check the functionality, the sealing and the resistance to working pressure before using the coupling.**
- **Faster can not assure the performance, quality and connecting tolerances of competitor's types.**
- Malfunctioning or leakages due to the above mentioned cases could cause serious damages to persons and machines.

UNI EN ISO 9001
Cert. n° 2905
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Responsibilities

- The recommendations stated in this catalogue do not consider all risk factors in every possible application of **FASTER®** couplings.
- The final choice of the product is under customer's responsibility who has to make the selection according to **FASTER®** suggestions.
- The customer has to make sure that all requirements of chosen parts are respected, efficiency is maintained and the end user is informed about use and maintenance operations.
- **FASTER®** and its Distributors are not responsible for damages to persons and machines caused by an improper use and an incorrect maintenance of products.
- Increase of products' technical and functional features is **FASTER®**'s policy. For that reason all data in this catalogue are not binding. **FASTER®** is entitled to modify the specifications without prior notice.

How to order

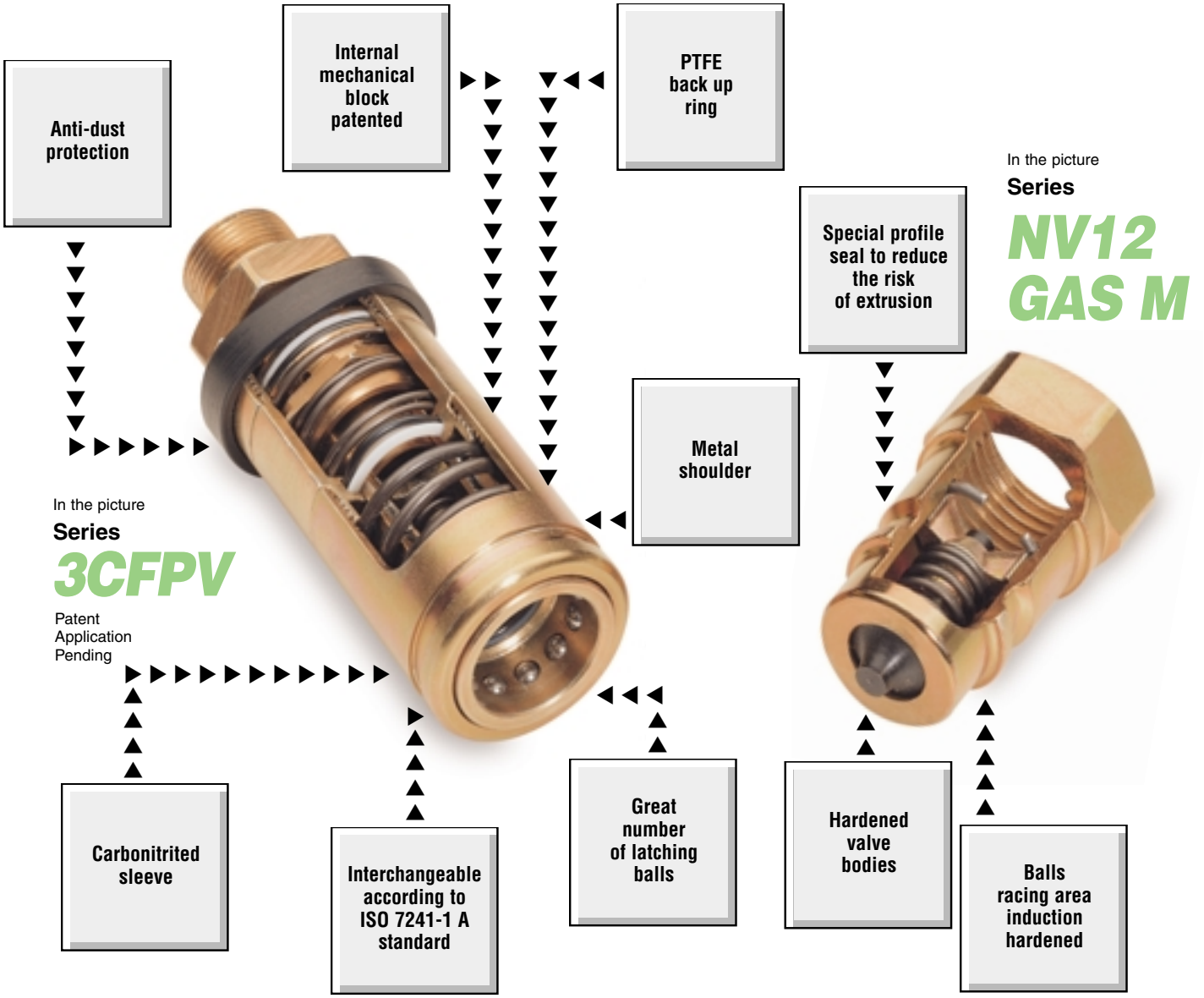
See available item codes in the ordering chart.

As a further help in defining and selecting the most suitable product for specific application please ask and fill-in with as much information as possible the Product Definition Form (mod. A003) sending it back to **Faster Customer Service.**

OEM's Users

AGCO
AGRITALIA
ANTONIO CARRARO
BCS
CLAAS
DEUTZ FAHR
FENDT
GOLDONI
CASE IH
JCB
JOHN DEERE
Lamborghini
Landini
LAVERDA
MASSEY FERGUSON
McCORMICK
NEW HOLLAND
RENAULT Agriculture
SAME
VALTRA
STEYR

Agricultural series according to ISO 7241-A Standards



THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- Allows the connection with the male part under pressure (3 series).
- Push-Pull connection.
- The disconnection is achieved by pulling back the male part (**BREAKAWAY** feature).
- Direct application on the valve or to rigid tubes.
- Mechanical block of valves is automatic and prevents return line shut down even at high flow rate.
- Dimensionally compact.
- Wide range of threads.

Series NV - NS

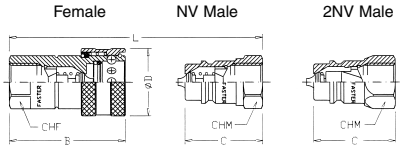
Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut off system:** poppet valve **(NV series)** or ball valve **(NS series)**
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A (only 1/2" size)

- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Special guidevalve with flow deflector **(2NV series)**
- Perfect interchangeability between poppet and ball valve couplings.

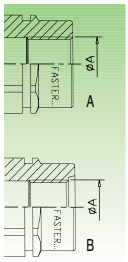
Technical data

Type	Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. pressure *		Minimum burst pressure Connected		Minimum burst pressure Male		Minimum burst pressure Female		Fluid spillage
		mm	inc	l/min.	GPM	N	lb.	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc. max.
NV	08	10,5	0.41	75	19.8	90	19,8	30	4350	130	18850	120	17400	130	18850	1.8
NS	08	8,5	0.33	50	13.2	90	19,8	20	2900	120	17400	85	12325	80	11600	1.5



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

Available items

	Type	Threaded end	❖	Female	Male	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	SM mm²	SM inc²	OEM's users
	Valve occlusion type	A	08	NV 12 GAS F	NV 12 GAS M 2 NV 12 GAS M	1/2" BSP 1/2" BSP	DIN 3852-2-X DIN 3852-2-X	66	2,60	44 47	1,73 1,85	38	1,50	88	3,46	27	1,06	27 27	1,06 1,06	86 86	0,13 0,13	C-F-I-P-Q-T-U E
				NV 12 NPT F	NV 12 NPT M 2 NV 12 NPT M	1/2" NPTF 1/2" NPTF	ANSI B 1.20.3 ANSI B 1.20.3	66	2,60	44 47	1,73 1,85	38	1,50	88	3,46	27	1,06	27 27	1,06 1,06	86 86	0,13 0,13	A-N E-N
				NV 2215 F	NV 2215 M	M22x1,5	DIN 3852-1-X	66	2,60	44	1,73	38	1,50	88	3,46	27	1,06	27	1,06	86	0,13	
		B	08	NV 12-12SAE F	NV 12-12SAE M 2 NV 12-12SAE M	3/4" UNF 3/4" UNF	SAE J1926-1 SAE J1926-1	66	2,60	44 47	1,73 1,85	38	1,50	88	3,46	27	1,06	27 27	1,06 1,06	86 86	0,13 0,13	H
				NV 12-58SAE F	NV 12-58SAE M *2 NV 12-58SAE M	7/8" UNF 7/8" UNF	SAE J1926-1 SAE J1926-1	69,5	2,74	51 54	2,01 2,13	38	1,50	98,5	3,88	32	1,26	27 27	1,06 1,06	86 86	0,13 0,13	N
	Ball occlusion type	A	08	NS 12GAS F NS 12NPT F	NS 12GAS M NS 12NPT M	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	68 68	2,68 2,68	46 46	1,81 1,81	38 38	1,50 1,50	92 92	3,62 3,62	27 27	1,06 1,06	27 27	1,06 1,06	57 57	0,09 0,09	H

❖ Size SM = Min. useful section GAS = BSP * On request

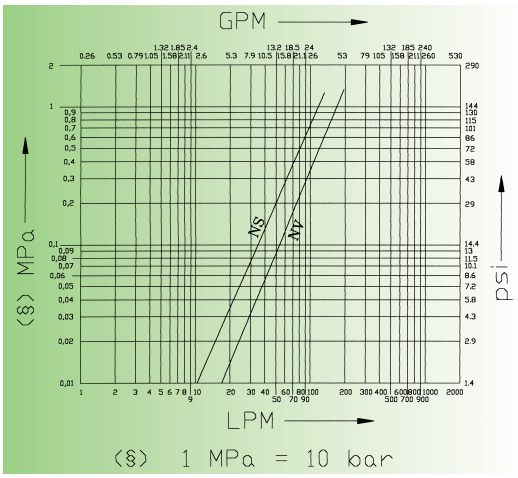
Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

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.



	Caption OEM's Users
A	Agritalia
B	Claas
C	Deutz Fahr
D	Agco Fendt
E	Goldoni
F	Hürlimann
G	Case
H	John Deere
I	Lamborghini
L	Landini
M	Massey Ferguson
N	New Holland Italia
O	Renault
P	Same
Q	Valtra
R	Steyr
S	JCB
T	Antonio Carraro
U	BCS

Series PV

Features

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A standard

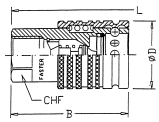
- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for flexible hoses
- Panel mounting by the sleeve
- Breakaway feature (if panel mounted)

Technical data

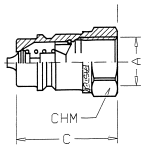
Type	Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. pressure *		Minimum burst pressure						Fluid spillage
										Connected		Male		Female		
		mm	inc	l/min.	GPM	N	lb.	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc. max.
PV	08	10,5	0.41	75	19.8	160	35,2	26	3770	148	21460	105	15950	110	15950	1.8

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

Female

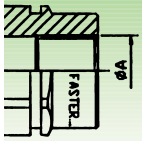


Male



For a wide range of threads see Cat. 0116 CPV-CNV and CVV series.

Availble items



❖	Female	Male	Ø A	Standards	B		C		Ø D		L		CHF		CHM		SM		OEM's users
					mm	inc	mm	inc	mm	inc	mm	inc	mm	inc	mm	inc	mm²	inc²	
08	PV 12 GAS F	NV 12 GAS M	1/2" BSP	DIN 3852-2-X	66	2.60	44	1.73	38	1.50	88	3.46	27	1.06	27	1.06	86	0.13	A-C-F-I-P-Q-U
	PV 12 NPT F	NV 12 NPT M	1/2" NPTF	ANSI B 1.20.3	66	2.60	44	1.73	38	1.50	88	3.46	27	1.06	27	1.06	86	0.13	N-Q

❖ Size SM = Min. useful section GAS = BSP * On request

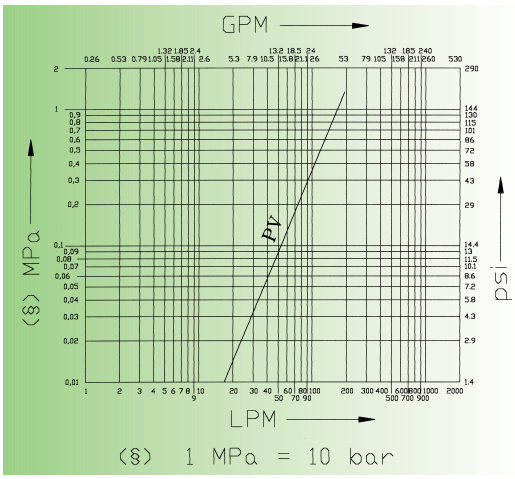
Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

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.



	Caption OEM's Users
A	Agritalia
B	Claas
C	Deutz Fahr
D	Agco Fendt
E	Goldoni
F	Hürlimann
G	Case
H	John Deere
I	Lamborghini
L	Landini
M	Massey Ferguson
N	New Holland Italia
O	Renault
P	Same
Q	Valtra
R	Steyr
S	JCB
T	Antonio Carraro
U	BCS

Series 3CPV

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

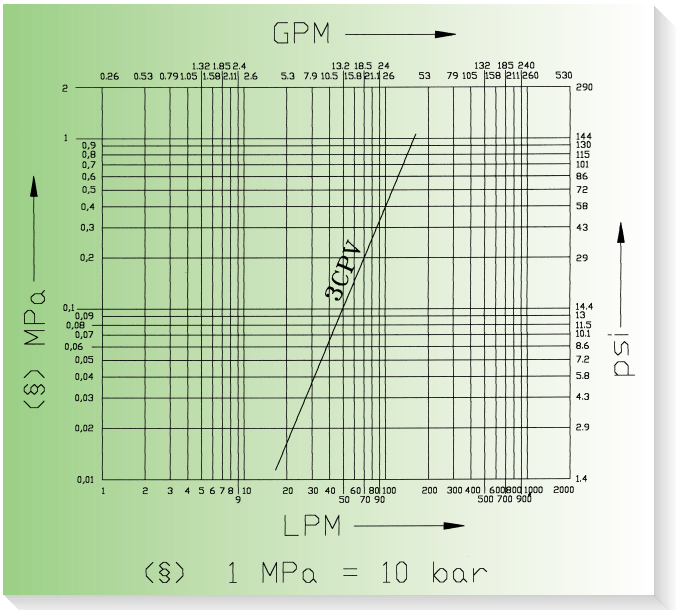
Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

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.

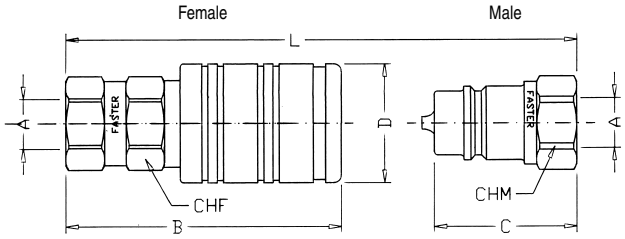
Antiextrusion rings:
In pure PTFE.

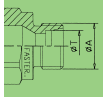
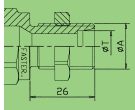
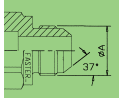
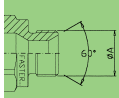
Working temperatures:
with standard seals in NBR (Nitrile Rubber)
from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the appropriate seals.



▶ **Available items**

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
	08																			
		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			
	08	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			
	08																			
		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	
	08																			
		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	
	08																			
		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			
	08																			
		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			
	08																			
		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			
	08																			

❖ 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	

Series 3CFPV

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:** in case of emergency only
- **Interchangeability:** according to ISO 7241-1 part A standard

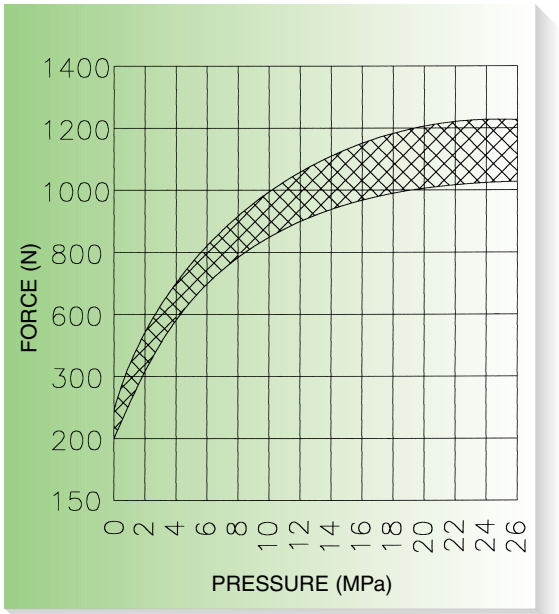
- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for rigid tubes or distributors
- Breakaway feature
- Internal mechanical block patented

Patent Application Pending

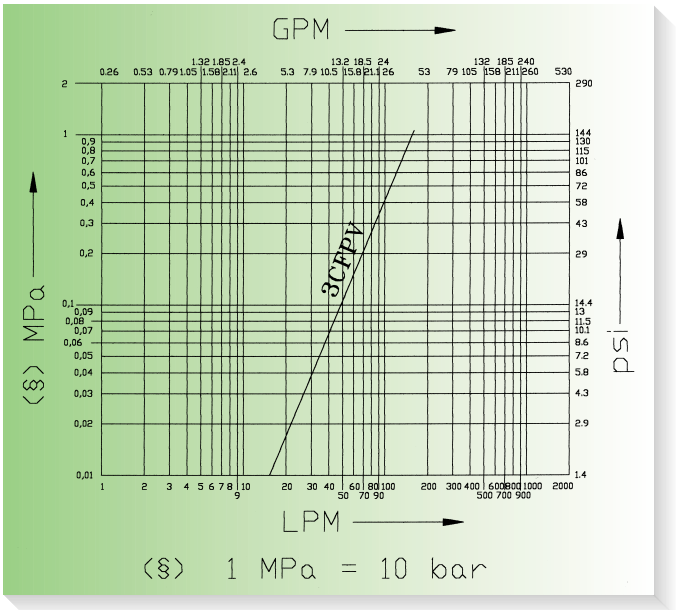
Technical data

Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. 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	68	18	220	48	25	3625	105	15250	105	15250	100	14500	1.8

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



Disconnection force results from internal pressure. (Breakaway feature)



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

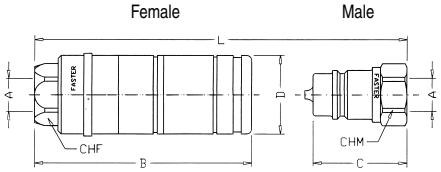
Seals:
Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

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.

▶ **Available items**

Series 3CFPV



	❖	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.	
	08	3CFPV 12GAS F	Male coupling according to ISO 7241-1 part A (see page 6)	1/2" BSP	DIN 3852-2-X	107,3	4,22	44	1,73	38	1,50	129,3	5,09	27	1,06	27	1,06			C-F-I-P
		3CFPV 12NPT F		1/2" NPTF	ANSI B 1.20.3	107,3	4,22	44	1,73	38	1,50	129,3	5,09	27	1,06	27	1,06			N
	08	3CFPV 34UNF F		3/4" UNF	SAE J 1926-1	107,3	4,22	44	1,73	38	1,50	129,3	5,09	27	1,06	27	1,06			L
		3CFPV 78UNF F		7/8" UNF	SAE J 1926-1	109,3	4,30	44	1,73	38	1,50	131,3	5,17	30	1,18	27	1,06			
	08	3CFPV 1/34UNF F		3/4" UNF	SAE J 1926-3	107,5	4,23	44	1,73	38	1,50	129,5	5,10	32	1,26	27	1,06			Q
		3CFPV 1/78UNF F		7/8" UNF	SAE J 1926-3	113,7	4,48	44	1,73	38	1,50	135,7	5,34	32	1,26	27	1,06			G
		*3CFPV 1/34S F		1 1/16" UN	SAE J 1926-3	110,8	4,36	44	1,73	38	1,50	132,8	5,23	32	1,26	27	1,06			
		3CFPV 1/1815 F		M18x1,5	ISO 6149-2	113,3	4,46	44	1,73	38	1,50	135,3	5,33	32	1,26	27	1,06			N
		3CFPV 1/2215 F		M22x1,5	ISO 6149-2	110,8	4,36	44	1,73	38	1,50	132,8	5,23	32	1,26	27	1,06			A-G-H-L-M-N-O
	08	3CFPV 08 2/2215 F		M22X1,5	ISO 8434-1-L	118	4,65	44	1,73	38	1,50	140,0	5,51	32	1,26	27	1,06	15,2	0,60	
		3CFPV 08 2/302 F		M30X2	ISO 8434-1-L	118	4,65	44	1,73	38	1,50	140,0	5,51	32	1,26	27	1,06	22,2	0,87	
	08	*3CFPV 3/2015 F		M20x1,5	ISO 8434-1 S	107,8	4,24	44	1,73	38	1,50	129,8	5,11	32	1,26	27	1,06	12,2	0,48	
	08	3CFPV 7/1815 F		M18x1,5	ISO 8434-1-L	121,5	4,78	44	1,73	38	1,50	143,5	5,65	32	1,26	27	1,06	12,2	0,48	A
		3CFPV 7/2215 F		M22x1,5	ISO 8434-1-L	123,5	4,86	44	1,73	38	1,50	145,5	5,73	32	1,26	27	1,06	15,2	0,60	C
	08	3CFPV 8/2415 F		M24x1,5	ISO 8434-1-S	121,5	4,78	44	1,73	38	1,50	143,5	5,65	32	1,26	27	1,06	16,2	0,64	A
	08	3CFPV 11/12SF J		13/16" UN	ISO 8434-3	108,6	4,28	44	1,73	38	1,50	130,6	5,14	32	1,26	27	1,06			
	08	3CFPV 12/1UNS F		1" UNS	ISO 8434-3	130,3	5,13	44	1,73	38	1,50	152,3	6,00	32	1,26	27	1,06			G
		3CFPV 08 12/34S F		1 3/16" UN	ISO 8434-3	136,8	5,39	44	1,73	38	1,50	158,8	6,25	32	1,26	34	1,34			
	08	*3CFPV 13/12S F		3/4" UNF	ISO 8434-2	111,1	4,37	44	1,73	38	1,50	133,1	5,24	32	1,26	27	1,06			
		*3CFPV 13/58S F		7/8" UNF	ISO 8434-2	115,1	4,53	44	1,73	38	1,50	137,1	5,40	32	1,26	27	1,06			
	08	3CFPV 14/34UNF F		3/4" UNF	ISO 8434-2	124,8	4,91	44	1,73	38	1,50	146,8	5,78	32	1,26	27	1,06			O
		3CFPV 14/78UNF F		7/8" UNF	ISO 8434-2	128,8	5,07	44	1,73	38	1,50	150,8	5,94	32	1,26	27	1,06			Q
	08	3CFPV 19/2215 F		M22x1,5	DIN 7643	134,8	5,31	44	1,73	38	1,50	156,8	6,17	32	1,26	27	1,06			C-F-I-P-R
	08	3CFPV 21/2215 F		M22x1,5	DIN 3852-11	110,3	4,34	44	1,73	38	1,50	132,3	5,21	32	1,26	27	1,06			C-F-I-P-G-R
	08	3CFPV 22/2215 F		M22x1,5	DIN 3852-1-A	110,3	4,34	44	1,73	38	1,50	132,3	5,21	32	1,26	27	1,06			R

❖ Size GAS = BSP *On request

Caption OEM's Users

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

Series 4SFPV

Features

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut-off system:** poppet valve
- **Connectability:** both male and female couplings under pressure (two steps connection)
- **Disconnection under pressure:** in case of emergency only
- **Interchangeability:** according to ISO 7241-1 part A standard

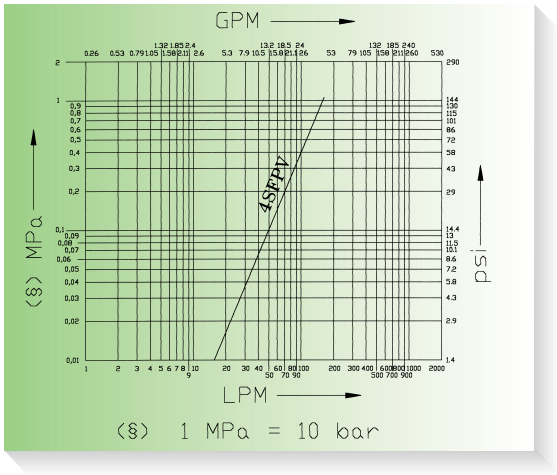
- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for rigid tubes and distributors
- Breakaway feature
- Internal mechanical block patented
- Frontal relief microvalve

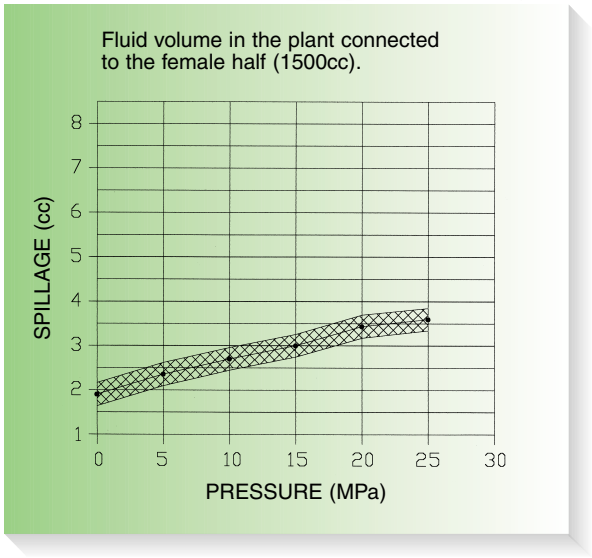
Patent Application Pending

Technical data

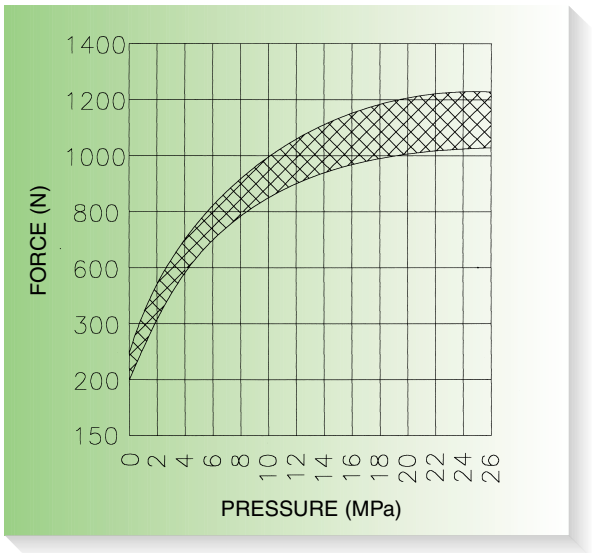
Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. pressure *		Minimum burst pressure						Fluid spillage
									Connected		Male		Female		
	mm	inc	l/min.	GPM	N	lb.	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	See graph
08	10,5	0.41	68	17,9	220	48	25	3625	105	15250	105	15250	100	14500	

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





Fluid spillage during connection and disconnection phase.



Disconnection force results from internal pressure. (Breakaway feature)

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.

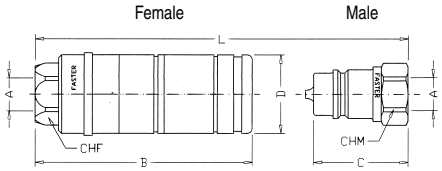
Seals:
Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.
Decompression valve seal in Polyurethane.

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.

▶ **Available items**

Series 4SFPV



	❖	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.	
	08	4SFPV 12GAS F	Male coupling according to ISO 7241-1 part A (see page 6)	1/2" BSP	DIN 3852-2-X	107,3	4,22	44	1,73	38	1,50	129,3	5,09	27	1,06	27	1,06			C-F-I-P
		4SFPV 12NPT F		1/2" NPTF	ANSI B 1.20.3	107,3	4,22	44	1,73	38	1,50	129,3	5,09	27	1,06	27	1,06			N
	08	*4SFPV 34UNF F		3/4" UNF	SAE J 1926-1	107,3	4,22	44	1,73	38	1,50	129,3	5,09	27	1,06	27	1,06			
		4SFPV 78UNF F		7/8" UNF	SAE J 1926-1	109,3	4,30	44	1,73	38	1,50	131,3	5,17	30	1,18	27	1,06			
		4SFPV 1116 UN F		1 1/16" UN	SAE J 1926-1	109,3	4,30	44	1,73	38	1,50	131,3	5,17	32	1,26	27	1,06			
	08	4SFPV 1/12GAS F		1/2" BSP	DIN 3852	110,8	4,36	44	1,73	38	1,50	132,8	5,23	32	1,26	27	1,06			
		4SFPV 1/34UNF F		3/4" UNF	SAE J 1926-3	107,5	4,23	44	1,73	38	1,50	129,5	5,10	32	1,26	27	1,06			
		4SFPV 1/78UNF F		7/8" UNF	SAE J 1926-3	113,7	4,48	44	1,73	38	1,50	135,7	5,34	32	1,26	27	1,06			G
		4SFPV 1/1116 UN F		1 1/16" UN	SAE J 1926-3	110,8	4,36	44	1,73	38	1,50	132,8	5,23	32	1,26	27	1,06			
		*4SFPV 1/1815 F		M18x1,5	ISO 6149-2	113,3	4,46	44	1,73	38	1,50	135,3	5,33	32	1,26	27	1,06			
		4SFPV 1/2215 F		M22x1,5	ISO 6149-2	110,8	4,36	44	1,73	38	1,50	132,8	5,23	32	1,26	27	1,06			R-N
	08	**4SFPV 3/2015 F**		**M20x1,5**	**ISO 6149-2**	**107,8**	**4,24**	**44**	**1,73**	**38**	**1,50**	**129,8**	**5,11**	**32**	**1,26**	**27**	**1,06**	**12,2**	**0,48**	
		4SFPV 4/38GAS F		3/8" BSP	DIN 3863	130,8	5,15	44	1,73	38	1,50	152,8	6,02	32	1,26	27	1,06			
	08	4SFPV 4/12GAS F		1/2" BSP	DIN 3863	130,8	5,15	44	1,73	38	1,50	152,8	6,02	32	1,26	27	1,06			S
	08	*4SFPV 7/1815 F		M18x1,5	ISO 8434-1-L	121,5	4,78	44	1,73	38	1,50	143,5	5,65	32	1,26	27	1,06	12,2	0,48	
		4SFPV 7/2215 F		M22x1,5	ISO 8434-1-L	123,5	4,86	44	1,73	38	1,50	145,5	5,73	32	1,26	27	1,06	15,2	0,60	
	08	*4SFPV 8/2415 F		M24x1,5	ISO 8434-1-S	121,5	4,78	44	1,73	38	1,50	143,5	5,65	32	1,26	27	1,06	16,2	0,64	
	08	4SFPV 12/1UNS F		1" UNS	ISO 8434-3	130,3	5,13	44	1,73	38	1,50	152,3	6,00	32	1,26	27	1,06			
		4SFPV 0812/34S F		1 3/16" UN	ISO 8434-3	138,6	5,46	44	1,73	38	1,50	160,6	6,32	32	1,26	27	1,06			
	08	*4SFPV 14/34UNF F		3/4" UNF	ISO 8434-2	124,8	4,91	44	1,73	38	1,50	146,8	5,78	32	1,26	27	1,06			
		4SFPV 14/78UNF F		7/8" UNF	ISO 8434-2	128,8	5,07	44	1,73	38	1,50	150,8	5,94	32	1,26	27	1,06			
	08	4SFPV 19/2215 F		M22x1,5	DIN 7643	134,8	5,31	44	1,73	38	1,50	156,8	6,17	32	1,26	27	1,06			
	08	4SFPV 21/2215 F		M22x1,5	DIN 3852-11	110,3	4,34	44	1,73	38	1,50	132,3	5,21	32	1,26	27	1,06			
	08	4SFPV 22/2215 F		M22x1,5	DIN 3852-1-A	110,3	4,34	44	1,73	38	1,50	132,3	5,21	32	1,26	27	1,06			
		4SFPV 22/2215 F		3/8" BSP	DIN 3852-2-A	110,3	4,34	44	1,73	38	1,50	134,1	5,28	34	1,34	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	U - BCS
B - Claas	E - Goldoni	H - John Deere	M - Massey Ferguson	P - Same	S - JCB	
C - Deutz Fahr	F - Hürlimann	I - Lamborghini	N - New Holland Italia	Q - Valtra	T - Antonio Carraro	

Series 4SEPV

Features

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut-off system:** poppet valve
- **Connectability:** both male and female couplings under pressure (one step connection)
- **Disconnection under pressure:** in case of emergency only
- **Interchangeability:** according to ISO 7241-1 part A standard

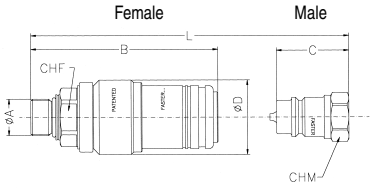
- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for rigid tubes and distributors
- Breakaway feature
- Internal mechanical block patented
- Frontal relief microvalve
- Internal additional relief microvalve

Patent Application Pending

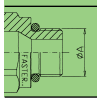
Technical data

Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. pressure *		Minimum burst pressure						Fluid spillage
									Connected		Male		Female		
	mm	inc	l/min.	GPM	N	lb.	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	
08	10,5	0.41	75	19,8	250	55	25	3625	110	15250	105	15250	110	15950	See graph

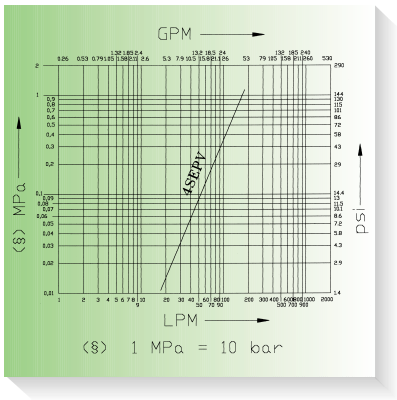
* Safety factor = 1:4 – for static pressure safety factor = 1:2

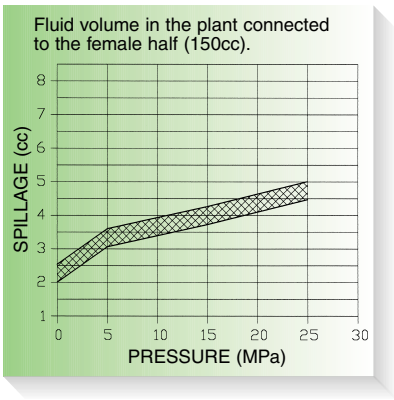


Available items

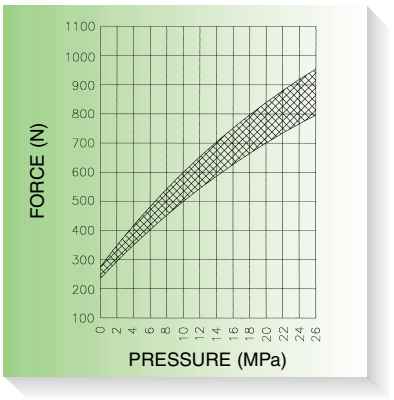
	❖	Female	Male	Ø A	Standards	B		C		Ø D		L		CHF		CHM		Ø T		OEM's Users
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	
		4SEPV 1/2215 F	according to ISO 7241-1 A	M22x1,5	ISO 6149-2	112,6	4,43	44	1,73	45	1,77	132,8	5,23	32	1,26	27	1,06			N

❖ Size GAS = BSP *On request





Fluid spillage during connection and disconnection phase.



Disconnection force results from internal pressure. (Breakaway feature)

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.
Decompression valve seal in Polyurethane.

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.

Caption OEM's Users

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

Series 4DFPV

Features

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut-off system:** poppet valve
- **Connectability:** both male and female couplings under pressure (one step connection)
- **Disconnection under pressure:** in two steps
- **Interchangeability:** according to ISO 7241-1 part A

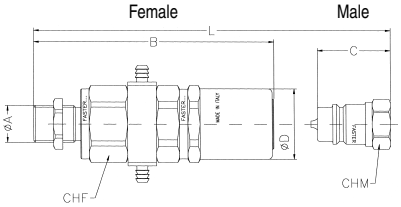
- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for rigid tubes or distributors
- Breakaway feature
- Internal mechanical block patented
- Backward internal microvalve for clean oil drainage

Patent Application Pending

Technical data

Size	DN Nominal diameter		Rated Flow		Max. working pressure *		Minimum burst pressure						Fluid spillage
							Connected		Male		Female		
	mm	inc	l/min.	GPM	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc. max.
08	10,5	0.41	75	19,8	25	3625	110	15950	105	15250	110	15950	1,8 cc

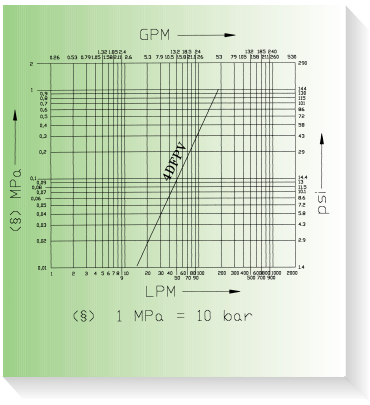
* Safety factor = 1:4 – for static pressure safety factor = 1:2

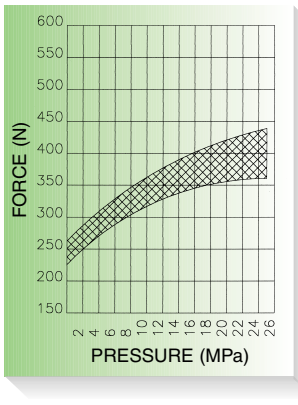


Available items

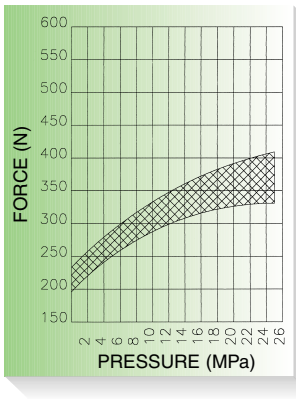
	❖	Female	Male	Ø A	Standards	B		C		Ø D		L		CHF		CHM		Ø T		OEM's Users
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	
		4DFPV 1/2215 F	according to ISO 7241-1 A	M22x1,5	ISO 6149-2	130,5	5,14	44	1,73	46	1,81	152,5	6,00	42	1,65	27	1,06			H

❖ Size GAS = BSP ★On request

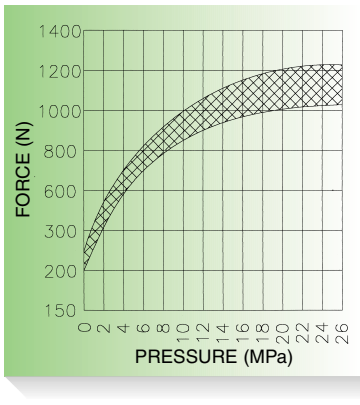




Connection force according to the internal pressure



Disconnection force according to the internal pressure



Disconnection force results from internal pressure. (Breakaway feature)

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.

Caption OEM's Users

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

FASTER®

▶ **Special couplings**

Series CFPV

NEW

▶ **Quick release couplings CFPV series**

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** for emergency operation only
- **Interchangeability:** according to ISO 7241-1 part A standard

- Balls bearing latching system
- Guidevalve with mechanical backstop
- Suitable for rigid tubes or distributors
- Breakaway feature
- 3/8" and 3/4" size

Series 4BM

NEW

▶ **Manifolds to link the couplings to the valve**

- Cast iron manifolds
- Equipped with 2 Push-Pull couplings female part
- Provided of internal lines purposely designed to minimize pressure drops
- To be assembled on the valve by fixing screws
- Yellow zinc plating surface protection

Series 4DCPV

NEW

▶ **Cartridge coupling to be integrated in suitable valves**

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling or by distributor lever
- **Shut-off system:** poppet valve
- **Connectability:** both male and female couplings under pressure (one step connection)
- **Disconnection under pressure:** in two steps
- **Interchangeability:** according to ISO 7241-1 part A standard

- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Cartridge design
- To be completely integrated in the distributor
- Breakaway feature
- Internal mechanical block patented
- Backward internal microvalve for clean oil drainage

▶ Pusher

Series **D12**

This accessory can be applied to the **PUSH-PULL** coupling sleeve for an easier connection and disconnection even by one finger.
It is made in Nylon available in different colours.

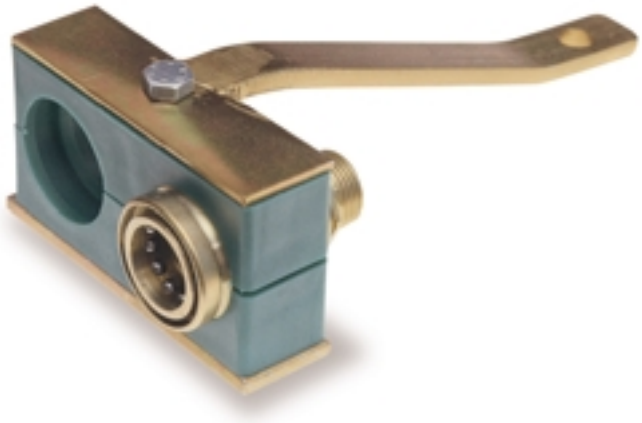
Colour	Code
Black ●	D12 N
Yellow ●	D12 G*
Blue ●	D12 B*
Red ●	D12 R*

* On request

▶ Double bracket

Series **SD12**

The double bracket holds two **PUSH-PULL** couplings. By coupling them on the sleeve the **BREAKAWAY** function prevents accidental hose breakage.



Code	SD12

▶ Single bracket for male couplings according to ISO 7241/A Standard 1/2" size.

Series **SS12**

This accessory can be applied on the agricultural implement to hold the male coupling when disconnected.
It is possible to protect the single bracket with the automatic dust cap TA 12 to prevent dirt contamination when it is not in use.

Code	SS12

Series TM-TF

▶ PVC dust caps and plugs

These dust covers are made in a special oil-proof PVC which can endure temperatures ranging from -30°C (-22°C) to +100°C (+212°C). They are available in different colours.
On request it is possible to personalize them with a specific logo on the basis of minimum quantities.

Colour	Dust plug for female coupling	Dust cap for male coupling
Blue	TM 12 L	TF 12
Orange	TM 12 L/A	TF 12 A
Yellow	TM 12 L/G	TF 12 G
Black	TM 12 L/N	TF 12 N
Red	TM 12 L/R	TF 12 R
Green	TM 12 L/V	TF 12 V

TM12

TF12

Series TA12

▶ TA automatic dust caps

This dust cap has been specifically designed for **PUSH-PULL** quick-release couplings. It closes itself automatically when the male is disconnected, sealing off dust and dirt.
It is produced in Nylon with stainless steel springs and is particularly resistant to weather changes and aging factors.
It is available in different colours.
On request it is possible to personalize them with specific logo on the basis of minimum quantities.
TA automatic cap is also available in black colour with special lid for coloured clips **(TAID... code)** to help lines identification.
For coloured clips codes see table at page 20.

Size	Dust cap for female					
	Blue	Yellow	Red	Black	Green	Brown
08	TA 12	TA 12 G	TA 12 R	TA 12 N	TA 12 V	TA 12 M

TAID12

TA12

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

Series TNN-TA

Automatic dust caps with oil collector for PUSH-PULL couplings

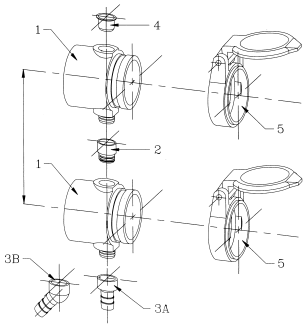
These products are a combination between oil collectors and automatic dust caps for **PUSH-PULL** quick-release couplings type.
The fluid spillage during connection and disconnection can thus be collected.
For groups of couplings fitted vertically, the caps can be joined together with spacers of different lengths depending on the interaxis required.
Produced in Nylon in various colours, on request, it is possible to personalize them with a specific logo on the basis of minimum quantities.

Patent Application Pending

TNN-TA series

The TNN-TA series is the simplest and cheapest version in the range of dust caps with oil-collector.
They can be mounted according to use and supplied in the single version or with interaxis (see table) with straight or 45° rubber holder. Please note that it is possible to insert coloured clips to help identification.

Code Straight rubber holder	Interaxis mm	Code 45° rubber holder
TNN 2 50 TA	50	TNN 2 50 TA 45
TNN 2 52 TA	52	TNN 2 52 TA 45
TNN 2 53 TA	53	TNN 2 53 TA 45
TNN 2 55 TA	55	TNN 2 55 TA 45
TNN 2 56 TA	56	TNN 2 56 TA 45
TNN 2 58 TA	58	TNN 2 58 TA 45
TNN 2 59 TA	59	TNN 2 59 TA 45
TNN 2 60 TA	60	TNN 2 60 TA 45
TNN 2 61 TA	61	TNN 2 61 TA 45
TNN 2 63 TA	63	TNN 2 63 TA 45
TNN 2 66 TA	66	TNN 2 66 TA 45



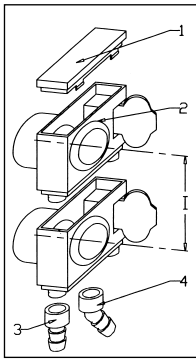
1 = Nylon 6-6 bearing
2 = Zinc plated spacers
3A = Nylon 6-6 straight rubber holder
3B = Nylon 6-6 45° rubber holder
4 = PVC upper cap
5 = Nylon 6-6 automatic cap

Series TAR

TAR series

Modular automatic dust cap with horizontal opening: thanks to its rectangular shape a perfect stability is achieved with an high capability to connect oil even in no-horizontal positions, when mounted in sequence.

TAR code Straight rubber holder	Interaxis mm	TAR code 45° rubber holder
TAR 12	-	TAR 12 45



1=cap
2=TAR oil collector automatic dust cap
3=straight rubber holder
4=45° rubber holder

Series TARV

▶ TARV series

Modular automatic oil-collection dust cap with vertical opening.
It has the same characteristics of the TAR dust cap,
but with vertical opening and reduced dimension.
Coloured clips for line identification are supplied separately.

TARV code Straight rubber holder	Interaxis mm	TARV code 45° rubber holder
TARV 2 55	55	TARV 2 5545
TARV 2 61	61	TARV 2 6145
TARV 2 72	72	TARV 2 7245
TARV 2 82	82	TARV 2 8245

Series TARVP

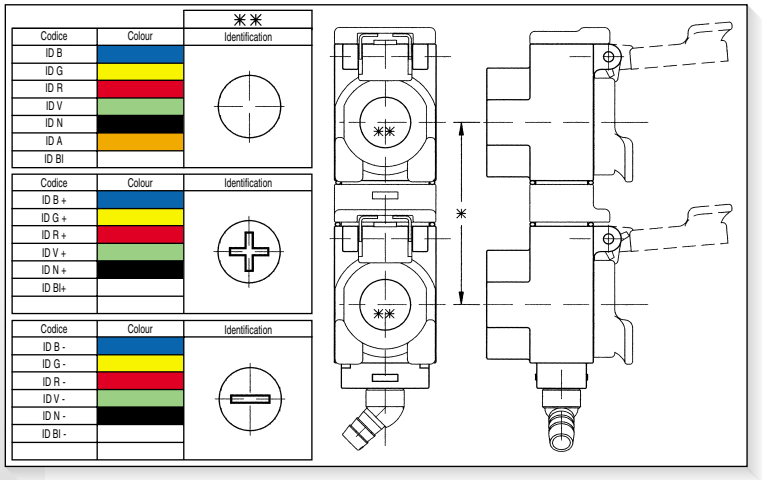
▶ TARVP series

TARV automatic caps are also available equipped with an internal anti-splash diaphragm cartridge **(TARVP code).** Thanks to this modular device, inserted into **TARVP** series automatic dust caps, any spilled oil splash is prevented and a higher protection against dirt inclusions into **TARV** body is achieved (see an example at page 16).
Equipped with a special diaphragm made of oil proof rubber, this device can be assembled on every **TARV** automatic dust cap.
For this reason the single diaphragm cartridge is available too, with detailed instructions for assembling **(KIT CPS TARV12 code).**

TARVP code Straight rubber holder	Interaxis mm	TARVP code 45° rubber holder
TARVP 2 55	55	TARVP 2 5545
TARVP 2 61	61	TARVP 2 6145
TARVP 2 72	72	TARVP 2 7245
TARVP 2 82	82	TARVP 2 8245

▶ Coloured clips

Coloured clips to identify hydraulics lines.
They can be assembled on automatic caps **TA, TNNTA, TAR, TARV** and **TARVP series.**



Series TARV 12 BSC

NEW

▶ TARV 12 BSC series

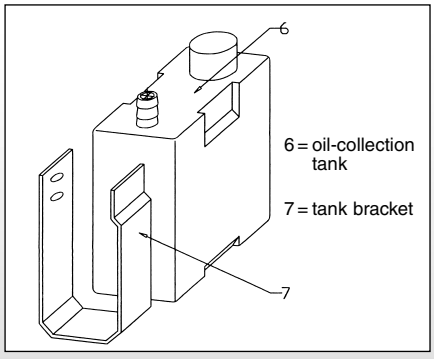
Integrated single oil-collection tank.
Thanks to this system it is possible to eliminate all the hoses conveying the oil spilled during connection and disconnection.
The single oil-collection tank can be directly assembled on **PUSH-PULL** couplings for rigid tubes **(3CFPV, 4SFPV, 4SEPV series)** equipped with **TARV** oil-collection cap.

Series TAR 12 B TAR 12 BP

▶ TAR 12 B - TAR 12 BP series

Oil-collection tank, equipped with metallic bracket and linked to the automatic oil-collector caps **TNNTA, TAR, TARV** and **TARVP series.** Any possible oil leakage to the ground during connection and disconnection is prevented.
The oil-collection tank is available in two different volumes: 600 and 300 cc.
The complete kit consists of the tank, the Y junction and one meter oil proof hose.
On the basis of minimum quantities the kit can be assembled with cut to size hoses.

Oil-collection tank Code	Tank bracket Code	Complete version Code	Volume (cc.)
TAR 12 B	TAR 12 SB	KIT TAR 12 B	600
TAR 12 BP	TAR 12 SBP	KIT TAR 12 BP	300



Series VF VFS VFB

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** flat valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 5676 standard

- Balls-bearing latching system
- Additional safety sleeve **(VFS series)**
- Internal safety slider **(VFB series)** patented which allows disconnection only once brakes are on.
- PVC dust cap for the male coupling available on request **(TFVF series)**
- Steel plug for female part supplied together with the coupling **(TMVF series)**

Patent Application Pending

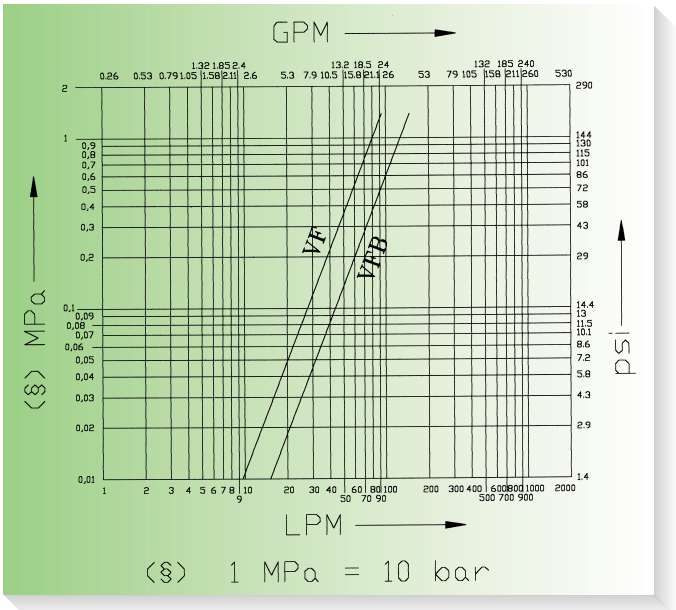
Technical data

Series	Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. 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.
VF	06	8	0.31	40	10.5	100	22	22	3190	110	15950	90	13050	90	13050	0.05
VFB	06	10	0.39	50	13.1	100	22	25	3625	100	14500	100	14500	100	14500	0.05

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

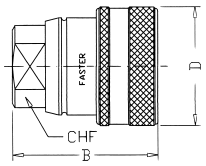
Pressure drop graph:
test bench to ISO 7241-2 specifications with oil viscosity 20 cSt (3°E) and temperature 50°C (122°F).
Materials:
- Female in steel with wear parts carbonitrited.
- Male in high grade carbon steel, induction hardened.
- Steel valve.
- Surface treatment: zinc plating and yellow passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

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

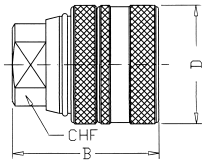


Series VF VFS VFB

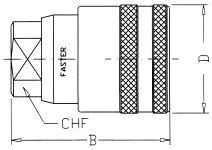
Female VF



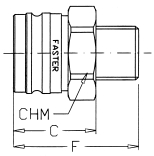
Female VFS

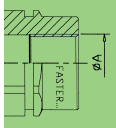
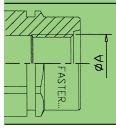


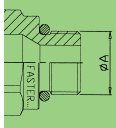
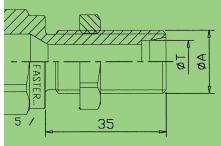
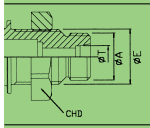
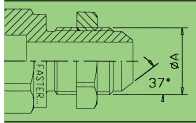
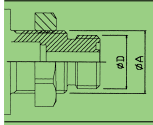
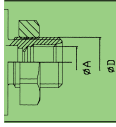
Female VFB



Male



	❖	Female	Ø A	Standards	B mm	B inc.	C mm	C inc.	Ø D mm	Ø D inc.	E mm	E inc.	F mm	F inc.	G mm	G inc.	CHF mm	CHF inc.	CHM mm	CHM inc.	CHD mm	CHD inc.	Ø T mm	Ø T inc.	OEM's users
	06	VF 38GAS F	3/8" BSP	DIN 3852-2-X	54,5	2,15			44	1,73							27	1,06							Q
		VF 1815 F	M18x1,5	DIN 3852-1-X	54,5	2,15			44	1,73							27	1,06							L
		VF 2215 F	M22x1,5	DIN 3852-1-X	54,5	2,15			44	1,73							27	1,06							
		VFS 38GAS F	3/8" BSP	DIN 3852-2-X	54,5	2,15			44	1,73							27	1,06							
		VFS 1815 F	M18x1,5	DIN 3852-1-X	54,5	2,15			44	1,73							27	1,06							
		VFB 38GAS F	3/8" BSP	DIN 3852-2-X	83,5	3,29			44	1,73							27	1,06							
		VFB 1815 F	M18x1,5	DIN 3852-1-X	83,5	3,29			44	1,73							27	1,06							
	06	VF 0/12GAS F	1/2" BSP	DIN 3852	58,5	2,30			44	1,73							27	1,06							

	❖	Male	Ø A	Standards	B mm	B inc.	C mm	C inc.	Ø D mm	Ø D inc.	E mm	E inc.	F mm	F inc.	G mm	G inc.	CHF mm	CHF inc.	CHM mm	CHM inc.	CHD mm	CHD inc.	Ø T mm	Ø T inc.	OEM's users
	06	VF 1/12GAS M	1/2" BSP	DIN 3852-2-B			44,8	1,76					58,8	2,31	14	0,55			32	1,26					
		VF 1/58S M	7/8" UNF	SAE J 1926-3			36,2	1,43					48,8	1,92	12,6	0,50			32	1,26					
		VF 1/1615 M	M16x1,5	ISO 6149-2			59,8	2,35					70,8	2,79	11	0,43			32	1,26					O
		VF 1/1815 M	M18x1,5	ISO 6149-2			42,8	1,69					56,8	2,24	14	0,55			32	1,26					F-I-P
		*VF 1/2215 M	M22x1,5	ISO 6149-2			42,8	1,69					56,8	2,24	14	0,55			32	1,26					
	06	*VF 5/2015 M	M20x1,5	ISO 8434-1-L			30,8	1,21					53,8	2,12					32	1,26	27	1,06	12,2	0,48	
		VF 5/2215 M	M22x1,5	ISO 8434-1-L			30,8	1,21					58,8	2,31					32	1,26	27	1,06	15,2	0,60	
		VF 7/1815 M	M18x1,5	ISO 8434-1-L			30,8	1,21					51,8	2,04					32	1,26	24	0,94	12,2	0,48	L-M
		VF 8/2015 M	M20x1,5	ISO 8434-1-S			30,8	1,21					53,8	2,12					32	1,26	27	1,06	13,6	0,54	F-I-P
		*VF 8/2415 M	M24x1,5	ISO 8434-1-S			30,8	1,21					56,8	2,24					32	1,26	30	1,18	16,2	0,64	
	06	VF 9/1615 M	M16x1,5	ISO 8434-1-L			30,8	1,21			M20x1,5		53,8	2,12					32	1,26	27	1,06	10,2	0,40	A-O
		VF 9/1815 M	M18x1,5	ISO 8434-1-L			30,8	1,21			M20x1,5		53,8	2,12					32	1,26	27	1,06	12,2	0,48	C-B-G-N
	06	VF 14/58S M	7/8" UNF	ISO 8434-2			30,8	1,21					63,8	2,51					32	1,26					Q
	06	VF 17/38S M	11/16" UN	ISO 8434-3			30,8	1,21			13/16" UN		60,8	2,39	11	0,43			32	1,26					H
	06	VF 18/2015 M	M14x1,5	DIN 3852			36,3	1,43			M20x1,5		58,3	2,30	22	0,87			32	1,26					H

❖ Size GAS = BSP *On request

Caption OEM's Users

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

MULTIFASTER 2P-3P SERIES

▶ Quick-release coupling block for automatic connection of several hydraulic, electrical and pneumatic lines.

The **MULTIFASTER** is a **PATENTED** multiple connection system which allows simultaneous automatic connection of several hydraulic, electrical and pneumatic lines.
The connection is simply achieved without any auxiliary tool even at maximum working pressure.
Flat-face couplings used in the **MULTIFASTER** eliminate oil spillage during disconnection and air inclusion during connection.
The fixed part of the **MULTIFASTER** is completely flat in order to facilitate cleaning.
The **MULTIFASTER** can also be equipped with electrical and pneumatic connections.

For further information and technical details please ask for the specific catalogue.

CAT. 0111-GB
Multifaster series

Patent Application Pending

▶ THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- **PATENTED** system for simultaneous connection of several hydraulic, electrical and pneumatic lines.
- Eliminates the risk of lines inversion.
- Special seals made in Polyurethane against extrusion and wear.
- Safety locking device avoids accidental disconnection.
- Protective dust cap.
- Surface on fixed block completely flat: easy to be cleaned.
- Connectable and disconnectable under pressure.
- **3P MULTIFASTER series** for an effortless connection under working pressure.
- Ecological: no spillage.
- Wide range of threads.
- Easy to be mounted also on pre-existent systems.

FASTER® exclusive technology

▶ PUSH-PULL quick-release coupling Compact series

The CPV quick-release coupling maintains the same technical characteristics of the PV series and, in addition, can be supplied with a wide range of threads that eliminates the need for adaptors and consequently reduces overall length and costs.
If panel mounted, this coupling series offers the **PUSH-PULL** function (PV series).
In case of traditional fixing to the distributor or to rigid tubes it has the same functions of the NV series.

For further information and technical details please ask for the specific catalogue.

CAT. 0116
CPV-CNV and CVV series

▶ THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

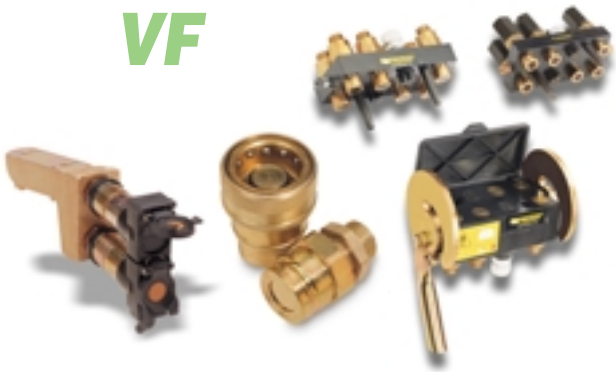
- Wide range of **BSP, METRIC, NPT, SAE** threads which allows customer to adapt the product to its needs, saving extra-cost to buy adaptors.
- Valves are manufactured following the classic **FASTER®** method: induction hardened to avoid dents, equipped with special profiled anti-extrusion seal.
- Special design of internal sections reduce pressure drops to a minimum.
- Couplings with internal components completely made of steel and with Viton seals are available on request.
- Double action sleeve with **PUSH-PULL** connection system and **BREAKAWAY** feature.

FASTER® exclusive technology

Agricultural series quick-release couplings

▶ Applications

Series **MULTIFASTER**
4SEPV
VF



Series **NV**
PV
CPV

Series **3CFPV**
VF

Series **3CFPV**
VF

Series **NV**
3CPV

Series **MULTIFASTER**

Ask for our catalogues

CAT. 0110/I Italiano
CAT. 0110/GB English
CAT. 0110/F Français
General Line

CAT. 0111-I Italiano
CAT. 0111-GB English
Multifaster series

CAT. 0112-I Italiano
CAT. 0112-GB English
Agriculture series

CAT. 0113-I Italiano
CAT. 0113-GB English
FF Flat-Face series

CAT. 0114-I Italiano
CAT. 0114-GB English
Screw-on coupling series

CAT. 0115-I Italiano
CAT. 0115-GB English
Standard series

CAT. 0116-I Italiano
CAT. 0116-GB English
CPV-CNV and CVV series

CAT. 0117-I Italiano
CAT. 0117-GB English
DF series

CAT. 0118-I Italiano
CAT. 0118-GB English
RF series

CAT. 0119-I Italiano
CAT. 0119-GB English
VU series

CAT. 0120-I Italiano
CAT. 0120-GB English
Industrial series

▶ Guarantee

All **FASTER®** quick-release couplings are designed and produced in conformity with the regulations of **Quality Managing System according to UNI EN ISO 9001 and UNI ISO/TS 16949 Standards.**
They bear the **FASTER®** logo to guarantee their origin and reliability.
FASTER® quick-release couplings are distributed worldwide through a network of highly qualified distributors.

FASTER®
think faster

ICIM
UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949

CISQ

CAT 0112/09/06-GB

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