

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

Technical data

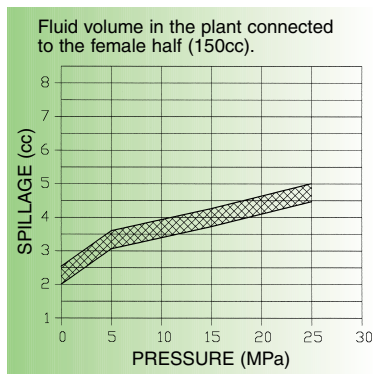
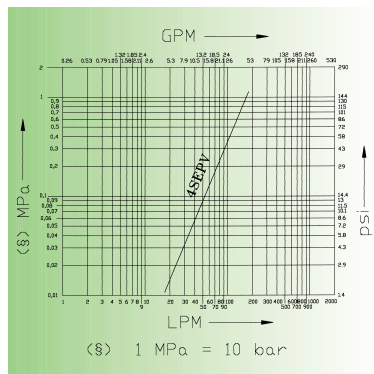
| Size | DN Nominal diameter | | Rated Flow | | Force to connect | | Max. work. pressure * | | Minimum burst pressure | | | | | | Fluid spillage |
|------|---------------------------|------|---------------|------|---------------------|-----|-----------------------------|------|------------------------|-------|------|-------|--------|-------|-------------------|
| | | | | | | | | | 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

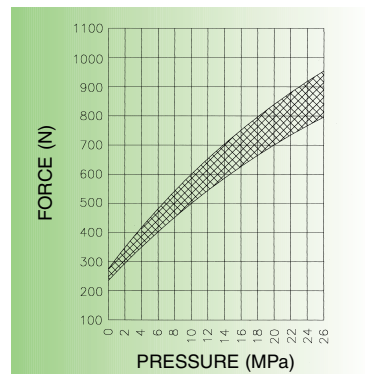
Available items

| | 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 carbonitrided.
- 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.

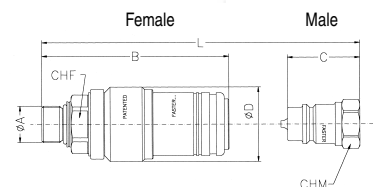
Working temperatures:

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.

Series 4SEPV



Patent
Application
Pending



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 - Hürimann | I - Lamborghini | N - New Holland Italia | Q - Valtra | T - Antonio Carraro | |