

## 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

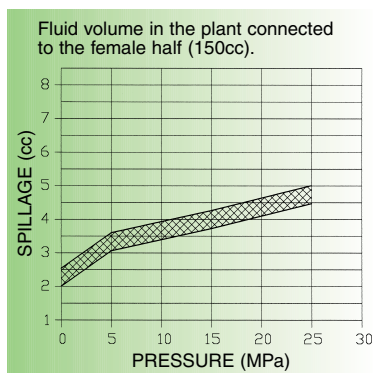
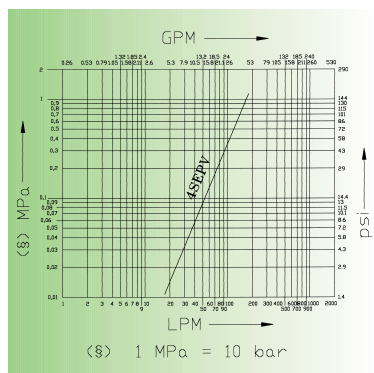
| Size | DN<br>Nominal<br>diameter |      | Rated<br>Flow |      | Force<br>to connect |     | Max. work.<br>pressure<br>* |      | Minimum burst pressure |       |      |       |        |       | Fluid<br>spillage |
|------|---------------------------|------|---------------|------|---------------------|-----|-----------------------------|------|------------------------|-------|------|-------|--------|-------|-------------------|
|      |                           |      |               |      |                     |     |                             |      | Connected              |       | Male |       | Female |       |                   |
|      | mm                        | inc  | l/min.        | GPM  | N                   | lb. | 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

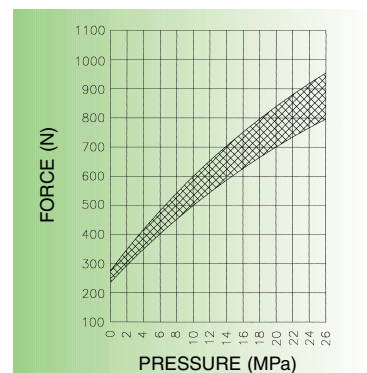
## Available items

|  | Female         | Male                      | Ø A     | Standards  | B     |      | C  |      | Ø D |      | L     |      | CHF |      | CHM |      | Ø T |      | OEM's<br>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.

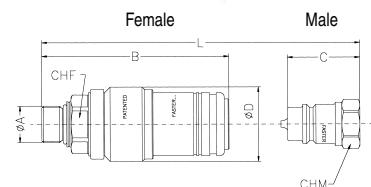
## Working temperatures:

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 |         |