



Body Size

1/2"

ISO A-Profile

5500-Series



Applications Area



Bursting Pressure

| Body Size | Bursting Pressure Connected |
|-----------|-----------------------------|
| 1/2" | > 1000 bar |

Technical Description

The 5500 series has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series. With the pressure eliminator, it is possible to establish connections with residual pressure (up to 200 bar). The pressure eliminator is available for both – coupling and the plug.

Advantages

Can be fitted with pressure eliminator to ensure effortless connection even with residual pressure.
High flow performance (low pressure drop).

Working Pressure

See charts.

Working Temperature

-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

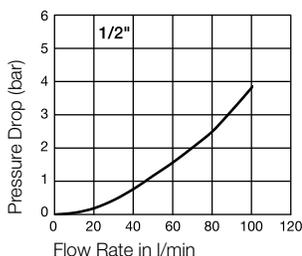
Available Valves:



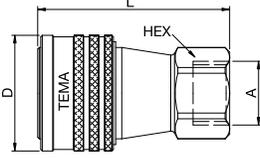
| Material Coupling | Standard / Pressure Eliminator |
|----------------------------|--------------------------------|
| Coupling Body | Brass |
| Sleeve | Brass, nickel plated |
| Valve | Brass hardened |
| Springs | AISI 301 |
| Locking Balls | AISI 420 C |
| Seals | NBR/FKM |
| Valve Holder (up to 100°C) | Zinc Casting |
| Valve Holder (over 100°C) | Brass |

| Plug | Standard / Pressure Eliminator |
|----------------------------|---|
| Coupling Body | Steel hardened, zinc plated, passivated |
| Valve | Brass, hardened |
| Springs | AISI 301 |
| Seals | NBR/FKM |
| Valve Holder (up to 100°C) | Zinc Casting |
| Valve Holder (over 100°C) | Brass |

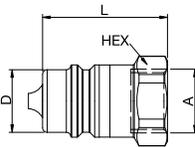
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



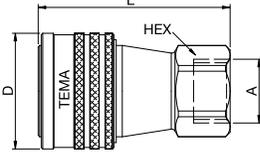
Couplings**5500-Series**

| | Body Size | Connection A | Hex mm | L mm | D mm | Working Pressure connected in bar | Seal | Part Number |
|--|-----------|--------------|--------|------|------|-----------------------------------|------|-------------|
|  <p>Female Thread</p> | 1/2" | G 1/2 | 27 | 63 | 38 | 250 | NBR | 5510 |
| | 1/2" | G 1/2 | 27 | 63 | 38 | 250 | FKM | 5510 V |
| | | | | | | | | |
| | | | | | | | | |

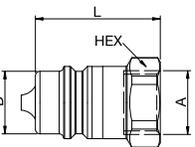
Plugs**5500-Series**

| | Body Size | Connection A | Hex mm | L mm | D mm | Working Pressure connected in bar | Seal | Part Number |
|--|-----------|--------------|--------|------|------|-----------------------------------|------|-------------|
|  <p>Female Thread</p> | 1/2" | G 1/2 | 27 | 42 | 20 | 250 | NBR | 5520 |
| | 1/2" | G 1/2 | 27 | 42 | 20 | 250 | FKM | 5520 V |
| | | | | | | | | |
| | | | | | | | | |

Couplings**5500-Series Pressure Eliminator**

| | Body Size | Connection A | Hex mm | L mm | D mm | Working Pressure connected in bar | Seal | Part Number |
|--|-----------|--------------|--------|------|------|-----------------------------------|------|-------------|
|  <p>Female Thread</p> | 1/2" | G 1/2 | 27 | 63 | 38 | 250 | NBR | 5511 |
| | 1/2" | G 1/2 | 27 | 63 | 38 | 250 | FKM | 5511 V |
| | | | | | | | | |
| | | | | | | | | |

Plugs**5500-Series Pressure Eliminator**

| | Body Size | Connection A | Hex mm | L mm | D mm | Working Pressure connected in bar | Seal | Part Number |
|--|-----------|--------------|--------|------|------|-----------------------------------|------|-------------|
|  <p>Female Thread</p> | 1/2" | G 1/2 | 27 | 42 | 20 | 250 | NBR | 5521 |
| | 1/2" | G 1/2 | 27 | 42 | 20 | 250 | FKM | 5521 V |
| | | | | | | | | |
| | | | | | | | | |

Seal-Kit

5500-Series

| Body Size | Version | Material | Part Number |
|-----------|--------------|----------|-------------|
| 1/2" | for coupling | NBR | 5500-PSN |
| 1/2" | for coupling | FKM | 5500-PSV |
| 1/2" | for coupling | EPDM | 5500-PSEP |
| | | | |

Dust Protection

5500-Series

| Body Size | Version | L mm | D mm | Material | Color | Part Number |
|-----------|--------------|------|------|----------|-------|-------------|
| 1/2" | for coupling | 242 | 30 | PVC | Blue | 5515-QC |
| 1/2" | for plug | 264 | 30 | PVC | Blue | 5525 |
| | | | | | | |
| | | | | | | |