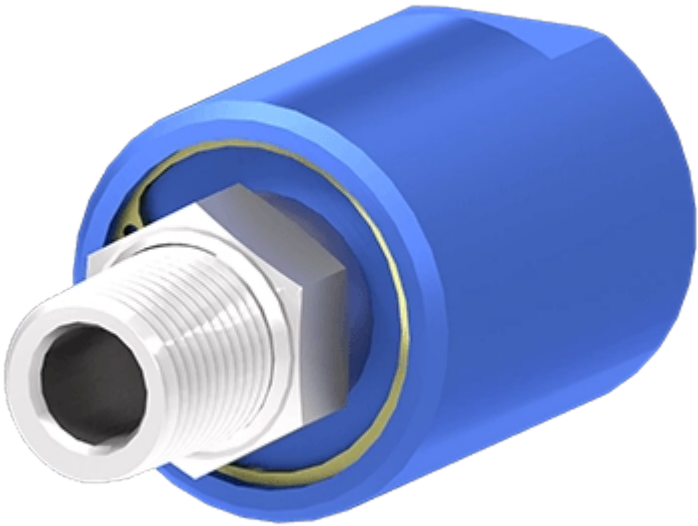
variables/V-color

# Rotary Union | 1 passage | SPS(M) 5410



The single passage SPSM Series rotary unions are small, lightweight but rugged and corrosion-resistant thanks to their aluminum construction with a stainless steel shaft.
** The use of liquid media is not recommended for this product. Please select from one of our other product lines or consult PES if your application requires use of liquid media.*

## Feature

| | SPS(M) 5410 |
|---|---|
| **Type** | Single Passage |
| **Passages** | 1 passage |
| **Connector** | 1/2" BSPT |
| **Overall Diameter** | 44.400 mm |
| **Overall length** | 66.800 mm |
| **Min Torque** | 1.360 Nm |
| **Passage Size** | 12.700 mm |
| **Maximum Pressure** [1] | 4 MPa (40 bar) |
| **Maximum Vaccum** [1] | 30 HG |
| **Max Speed** [1] | 500 rpm |
| **Temperature Range** [1] | -18°C à 105°C |

[1] Values are dependent on a combination of all application parameters. Please consult PES.

# Single-pass solution for transfer of air or vacuum through a rotary installation*

## General information

| | SPS(M) 5410 |
|---|---|

| | |
|---|---|
| **Connection Sizes** | 1/8", 1/4", 3/8", 1/2", 3/4", 1" BSPT |
| **Plating and Coating** | Shaft : 304 Stainless Steel Housing : Blue Anodized Aliminium |
| **Mounting** | Tapped holes are provided on the housing with male BSPT thread connection for shaft mounting |

**Notice :** The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

The SPS(M) Series rotary unions give a single-pass solution for hydraulic, pneumatic or even vacuum applications that can be integrated directly with Thru-bore Slip Rings to combine a single fluid passage with power, signal and/or data transfer.

**Advantages**

- Multipurpose solution for air, gas, oil, water or vacuum
- Easy integration
- High performances (pressure, rotating speed)

**Benefits**

- Avoid the need of complex piping arrangements
- Increased machinery performances
- Paiping maintenance mitigated


expertise in connectivity