



## RSU – 1 Series Rotating Union for Fluid Service

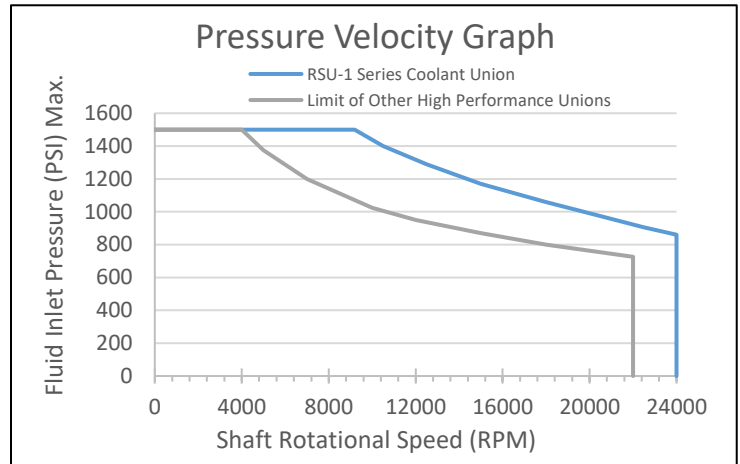
- Adapted AirShield™ technology for superior bearing protection over labyrinth seal designs
- Adapted AirShield™ technology also provides longer protection of surrounding equipment against leakage from union
- Corrosion resistant and higher durability stainless steel parts
- Controlled bypass leakage for cooler operating temperature and longer life
- Primary seal designed for long life
- Robust ABEC Class 7 bearing design for long life

### Operating Information

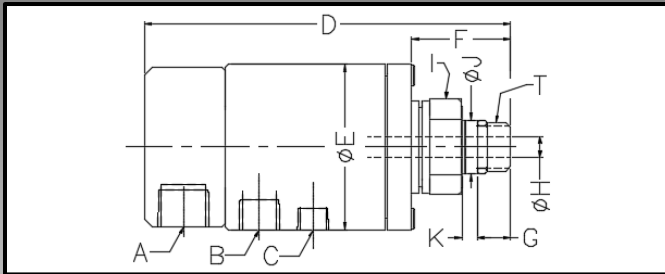
<b>Fluid (Thru to Spindle)*</b>	Water-glycol Coolant, Oil-Based Coolant, Air
<b>Fluid Filtration</b>	25 µm (99.9% efficient)
<b>Max. Shaft Speed**</b>	24,000 RPM
<b>Max. Fluid Pressure</b>	1,500 PSI (103 Bar)
<b>Temperature Range</b>	40 - 145 °F (4 - 60 °C)
<b>Air Seal Filtration</b>	5 µm (99.99% efficient) <b>AIRSHIELD™</b>
<b>Air Seal Pressure</b>	10 - 15 PSI (0.7-1.0 Bar)

\*Contact Setco for water capable option

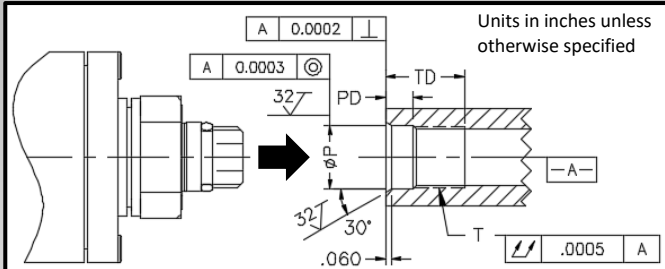
\*\*Do not spin housing



### RSU-1 SERIES SPECIFICATIONS



### MOUNTING SPECIFICATIONS



Specifications subject to change

T - Thread Size	5/8"–18 UNF LH	M16 X 1.5 LH
<b>Ordering Number</b>	RSU-1A	RSU-1B
<b>A – Media Inlet</b>	3/8" NPT	3/8" NPT
<b>B – Media Drain(s)</b>	1/4" NPT	1/4" NPT
<b>C – Air Supply Inlet</b>	1/8" NPT	1/8" NPT
<b>D – Overall Length</b>	4.89"	121.3 mm
<b>Ø E – Overall Diam.</b>	2.17"	55.0 mm
<b>F – Shaft Length</b>	1.41"	32.7 mm
<b>G – Thread Length</b>	0.56"	11.0 mm
<b>Ø H – Flow Diam.</b>	0.28"	7.0 mm
<b>I – Across Flats</b>	1.25"	32 mm
<b>Ø J – Pilot Diam.</b>	0.6555"/0.6553"	17.993/17.988 mm
<b>K – Pilot Length</b>	0.19"	5.0 mm
<b>Ø P – Mounting Pilot Diam.</b>	0.6560/0.6556"	18.000/17.995 mm
<b>PD – Pilot Depth</b>	9/32"	8.5 mm
<b>TD – Thread Depth</b>	13/16"	17 mm

Contact Setco for porting, inlet and other design options.

Patent Pending

For patent info, see:

<https://www.setco.com/patents>



For more information, contact Setco at

+1 (513) 941-5110 or visit

[www.setco.com](http://www.setco.com)

General Warnings: 1. No side load to be put on the union 2. Do not subject union to thermal shock 3. Isolate the coolant union from excess vibrations

† Dry Running can be within the functionality of the device, however, running 50 PSI (3.5 bar) of coolant pressure at the inlet is preferred for operations that do not have coolant through the tool. Contact Setco for dry running capability.