

3025SL SERIES

High Pressure, Stacked Air Load, 20000 PSIG MAX
Pressure Reducing Regulators



Premier 3025SL Series regulators are piston sensed, pressure reducing regulators rated for inlet and outlet pressures up to 20000 PSIG (*1378.95 bar*) and Cv 0.043. Premier 3025SL Series regulators feature a four-tier air loader for compatibility with electropneumatic controllers, enabling piloted pressure control from an inert gas at low pressures (110 psig / 7.5 bar max air load). 3025SL Series regulators are available with a wide range of outlet and inlet configurations. Captured venting is standard.

FEATURES

- Rated for pressures up to 20000 PSIG (*1378.95 bar*)
- Compatible with electro pneumatic controllers
- Flow capacity (Cv): 0.043
- Captured venting
- Very competitive pricing
- Machined bar stock body, bonnet and piston eliminates porosity found in castings

SOME APPLICATIONS WILL REQUIRE A CUSTOM SOLUTION.
CONTACT PREMIER INDUSTRIES TO REQUEST A MODIFICATION
OR A CUSTOM DESIGN.

SPECIFICATIONS

- **MAX INLET PRESSURE:**
 - REGULATOR: 20000 PSIG (1378.95 bar)
 - AIR ACTUATOR: 110 PSIG (7.5 bar)
- **OUTLET PRESSURE RANGES:**
 - 50-6000 PSIG (3.5 - 413.7 bar)
 - 300-15000 PSIG (58.6 - 1034.2 bar)
 - 500-20000 PSIG (96.5 - 1379 bar)
- **FLOW (Cv):** 0.043
- **VENT VALVE Cv:** 0.043
- **OPERATING TEMPERATURE:**
 - -15°F/-26°C to 212°F/100°C (BUNA-N)
 - -4°F/-20°C to 212°F/100°C (VITON®)
 - -65°F/-54°C to 212°F/100°C (EPDM)

MATERIALS OF CONSTRUCTION

- **WETTED PARTS:**
 - 316 Stainless Steel
 - 17-4 Stainless Steel
- **VALVES:**
 - 17-4 Stainless Steel, Hardened
- **HOUSING, AIR LOADER:**
 - 6061-T6 Aluminum, Clear Anodize
- **O-RING OPTIONS:**
 - Buna-N
 - Viton®
 - EPDM
- **BACK-UP RINGS:** PCTFE
- **MAIN VALVE SEAT**
 - Vespel SCP-5000®
- **VENT VALVE SEAT:**
 - Vespel SCP-5000® (standard)
 - 316 Stainless Steel (Cv 0.06)
- **STANDARD LUBRICANT:** Krytox® GPL 206

PORTING

- **INLET/OUTLET PORT OPTIONS:**
 - 1/4", 3/8" Medium Pressure
 - 1/4", 3/8" High Pressure
- **VENT PORT:** 1/4" inlet/outlet port type
- **GAUGE PORTS:** 1/4" inlet/outlet port type
- **LOAD PORT:**
 - 1/4" FNPT (standard)
 - 1/4" SAE AS5202
 - 1/4" SAE J1926
 - 1/8" NPT

OPTIONS

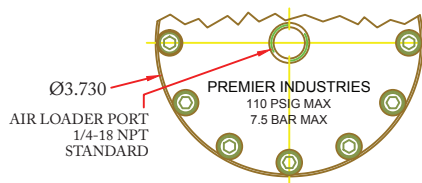
- Surface mount
- Private label
- 316 Stainless Steel vent seat (Cv 0.06)

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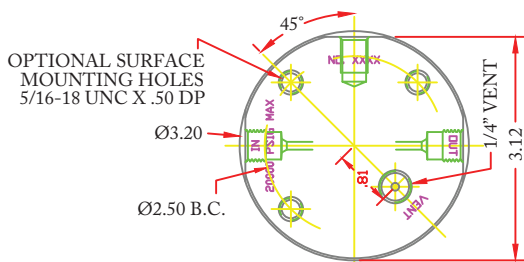
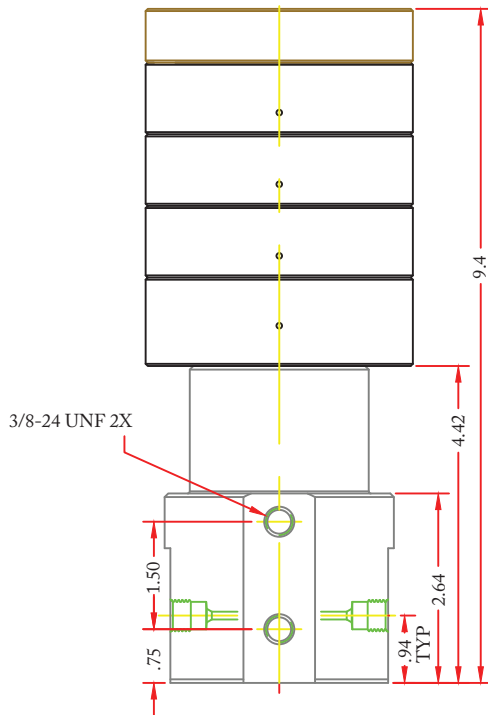
Krytox® is a registered trademark of The Chemours Company FC, LLC

Contact factory for material certifications. Fees may apply.

PART NUMBER: 30-10862SL



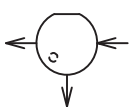
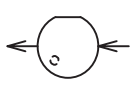
4 TIER AIRLOADER TO SENSOR RATIOS			
		AREA	RATIO-
OUTLET	AIRLOADER X 4	23.1692 IN ²	CALCULATED
20000 PSIG	SENSOR Ø.364	0.1041 IN ²	222/1
15000 PSIG	SENSOR Ø.464	0.1691 IN ²	137/1
6000 PSIG	SENSOR Ø.654	0.3359 IN ²	69/1



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PART #	-	1	2	3	4	-	5 6	-	MODS
30-10862SL	-					-		-	

1	OUTLET PRESSURE
6	50-6000 PSIG (3.5 - 413.7 bar)
7	300-15000 PSIG (58.6 - 1034.2 bar)
8	500-20000 PSIG (96.5 - 1379 bar)
2	PORT CONFIGURATION
B	
S	
3	PORT SIZE
4	1/4"
6	3/8"

4	PORT TYPE (IN/OUT/VENT/GAUGE)
4	Medium Pressure
5	High Pressure
5 6	O-RING MATERIAL
00	BUNA-N
02	VITON-A®
05	EPDM

MODIFICATIONS	
<i>Separate multiple mods with a dash</i>	
BLANK	None
AC	Krytox 240AC
AS	1/4" SAE AS5202 LOADER PORT
E	1/8" NPT LOADER PORT
J	1/4" SAE J1926 LOADERPORT
SM	SURFACE MOUNT
HV	316 STAINLES STEEL VENT SEAT (Cv 0.06)
PU	PORTS UNIFORM (IN/OUT/ GAUGE THE SAME SIZE AND TYPE)

20000 PSIG MAX INLET

The end user is responsible to ensure adequate fittings are used to connect regulator to plumbing.

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