

Divider Blocks

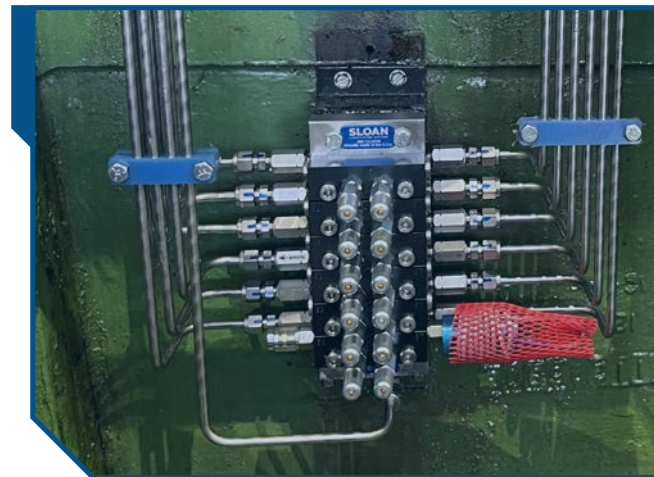
Manufactured to the highest quality standards for precise, fail-safe lubricant delivery.

Precision machined with the best piston fit in the industry, our divider blocks are the heart of our lubrication systems. Designed specifically for critical applications and suitable for low-flow rates at high pressure, our divider blocks exceed the highest industry standards, reliably ensure optimal delivery of lubrication to downstream points, and guarantee fail-safe shutdown.



About Divider Blocks

Divider blocks provide series-progressive lubricant delivery. Through the action of progressive piston cycles, they divide the flow from a single pump or bank of pumps to multiple delivery points with pinpoint accuracy. Divider blocks provide fail-safe lubricant protection. If a single delivery point malfunctions, the block will not cycle, allowing the monitoring device to trigger a fail-safe shutdown. Divider blocks enable streamlined design for complex lubrication systems with multiple delivery points, allowing a single pump to do the work instead of requiring a single pump for each delivery point.



Divider Block Part Number Key

SB-D*-(#)(O)**-(PI)-(C)-(TF)

- #** Section size (3, 6, 9, 12, 18, 24, 30)
- O** Outlet type - T(twin) or S(single)
- PI** Reset indicators by PSI (1=500, 2=1000, 3=1500, 4=2000, 5=2500, 6=3000, 7=3500, 8=4600, 9=5000)
- C** Check valves? (Y/N)
- TF** Tube fittings (1=Parker Steel, 2=Parker Stainless, 3=Swagelok, 4=Swagelok Stainless, 5=Parker CPI, 6=Parker CPI Stainless, 7= Parker Alok Stainless)

* DL for Lincoln bolt centers.

** Crossport Right (CPR) , Left (CPL) and Both (CPB) available for each section
- Designate by adding code after divider size and type for each piston section needed.

*** SB Blocks shipped standard with 1/4" front facing elbow inlet, and 1/4" straight outlets.
Please indicate if you would like something different.

**** SB blocks available with Buna O-rings upon request.



The Sloan Advantage

1. Shipped fully assembled and 100% tested to save time and guarantee fail-safe operation
2. Unparalleled piston fit measured in the millionths (.000001) of an inch for reliable delivery at slow cycles and high back pressure
3. 100% precision machined mating surfaces for geometric integrity, and leak-proof operation
4. Corrosion resistant nitride plating divider sections and stainless-steel baseplates and hardware for dependable service in extreme conditions
5. Tapered countersunk mounting bolts eliminate bore distortion for long life and smooth piston cycling
6. Machined step-down at the end of each piston absorbs impact and prevents deformation of working surface, for reliability and extended lifetime
7. Integrated top and bottom baseplate reduce leak paths
8. Compatible with both O-ring and standard pipe fittings.
9. Integrated baseplate checks for redundant delivery protection



Divider Block Assembly and Components

Divider blocks can be designed and assembled for any application. Call us for custom configuration of divider blocks for your specific application needs.

SB Divider Sections		Displacement	
		in ³	cm ³
• SB-D-03T	Divider Section 3T	.003	(.049)
• SB-D-06T	Divider Section 6T	.006	(.098)
• SB-D-09T	Divider Section 9T	.009	(.147)
• SB-D-12T	Divider Section 12T	.012	(.197)
• SB-D-18T	Divider Section 18T	.018	(.295)
• SB-D-24T	Divider Section 24T	.024	(.393)
• SB-D-30T	Divider Section 30T	.030	(.492)

NOTE: All Divider Sections are also available with Single Outlet

T Designates Twin Outlets
S Designates a Single Outlet

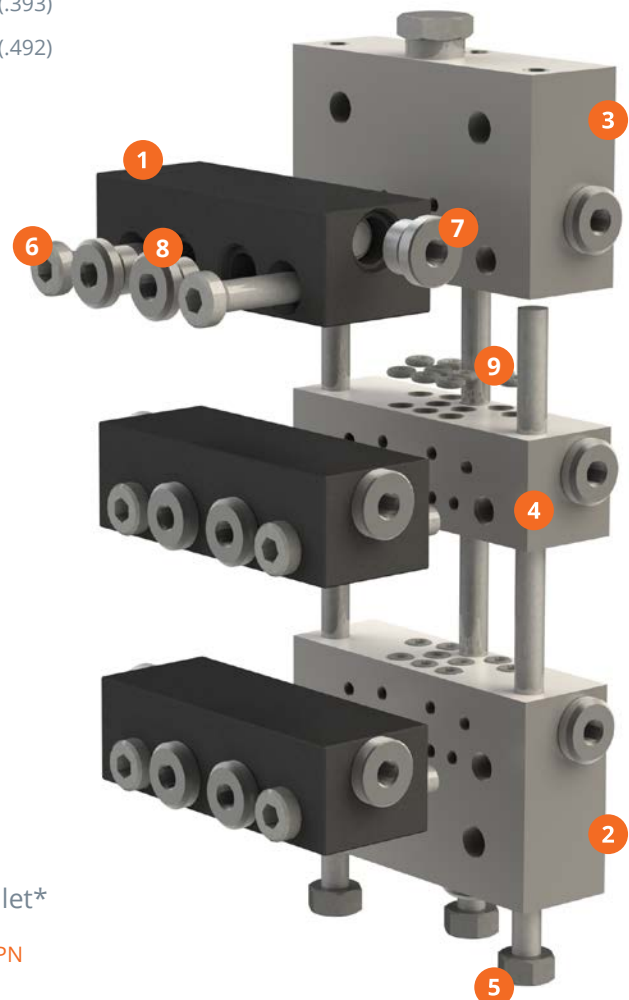
1. Divider Section – See “Divider Section PNs” Above
2. SLS-D-Bottom – Baseplate bottom section w/inlet*
3. SLS-D-Top – Baseplate top section w/inlet*
4. SLS-D-Baseplate – Intermediate baseplate section
5. SLS-D-T3 – Tie rod, 3 section (3-9 sections available)**
6. SB-D-sectionBolt – Divider section bolt
7. SB-D-SP – Divider section side plug
8. SB-D-FP – Divider section face plug
9. SB-O-V006 – Intermediate O-ring (Viton) ***

Not Pictured: SLS-D-Top-NI – Baseplate top section/ no inlet*

*Standard SLS/Trabon bolt centers – for Lincoln/Ariel add “L” after “D” in PN

** To specify length of tie rod, indicate section count (3-9) after “T” in PN

*** For Buna O-ring change “V” to “B” in PN



Divider Block Assembly and Components

CrossPorts – Crossports install between a divider section and baseplate and divert the flow from the designated outlet to the next outlet in series. This enables flow ratios not available with individual sections. Each crossport comes with two extended mounting screws.

PNs: SLS-D-Crossportright, SLS-D-Crossportleft, SLS-D-Crossportboth

Resettable pin indicators – These devices are often called “tattle tails”. They indicate whether a pressure threshold has been exceeded inside the divider block, which is often a sign that a problem needs to be addressed.

Cycle Indicator – Our SBCI cycle indicator uses a patented, spring free design to visually indicate each divider block cycle. Each time the divider block completes a cycle, the gold ring magnet will as well.

PN – SB-D-CI

Magnetic Proximity Switch - Our magnetic proximity switch utilizes the same spring free design as our cycle indicator to signal each cycle to the system monitor.

PN – SB-D-MPS

Check Valves – Our stainless steel single poppet check valve installs into the baseplate of each divider block outlet and combines with the integrated baseplate check to create a redundant double poppet seal. (Also available with Buna O-Rings)

PN – SB-V-C-Outlet

Balancing Valves – We engineer our systems to balance differential pressures across divider block, but not all applications allow for this. When pressure differentials exceed 1000 PSI we utilize balancing valves to even out the pressure.

PN SB-V-Balancing – Pressure (1500 or 2500)

Inlet Manifold with Pointer Gauge – SLS Inlet Manifold Assembly with a 3000 or 5000 PSI Pointer Gauge, Purge Point, and Swagelok SS Fittings.

PN – SLS-D-inletmanifold



Ordering Information

Each divider block is custom built for your application. Our support team will work with you to engineer the divider block that best fits your application.

Please call us at 800-722-0250 or email Sales@SloanLubrication.com

To assist in this process, please have this information available.

- A picture or hand sketch showing the engravings
- Number of piston sections
- Size of piston sections (engraved in top right ((in order!))
- Outlet locations for each section
- Inlet Location (top or bottom)
- Resettable indicators?
- Fitting type