



STEWART LUBRICANTS
& SERVICE CO., INC.



SINGLE LINE PARALLEL INJECTORS

PRODUCT DESCRIPTION

CARBON OR STAINLESS STEEL CONSTRUCTION

POSITIVE DISPLACEMENT INJECTORS ARE SINGLE LINE

FITS ALL COMPETITORS WITH EXISTING MANIFOLDS

FULLY ADJUSTABLE, HIGH OUTPUTS RANGING
FROM .01 CU IN UP TO .012 CU IN

REPAIR KITS AVAILABLE FOR EASE OF REPAIR IN THE
FIELD

DESIGNED FOR USE IN PAPER, MINING, STEEL, POWER
GENERATION, AUTOMOTIVE, AND OTHER INDUSTRIES

BENEFITS & FEATURES

INJECTORS CAN BE STAND ALONE OR PLACED IN
MULTIPLE INJECTOR MANIFOLDS

QUICK AND EASY TO REPAIR AND SERVICE WITH
LITTLE TO NO DOWNTIME AND LUBRICATION LOSS

LUBRICATION APPLICATIONS FROM OIL TO #2
GREASE

EXTERNAL ADJUSTABLE OUTPUTS FROM .01-.012CU
IN

PRESSURE RATING UP TO 5000 PSI

VISUAL INDICATOR PIN STANDARD ON ALL
INJECTORS

SEALS AND O-RINGS

SINGLE LUBE LINE, FLEXIBLE, COST EFFECTIVE
LUBRICATION SOLUTION

CYCLE VERFICATION SYSTEMS

CARBON STEEL, 303, & 316 STAINLESS STEEL INJECTORS IN STOCK

READY FOR IMMEDIATE SHIPMENT



www.stewartlubricants.com

SLS-32 MAG

STANDARD VENTING PRESSURE - GREASE

100% COMPATIBLE WITH EXISTING COMPETITORS MANIFOLDS

OUTPUTS UP TO 50% MORE LUBRICATION

ADJUSTABLE OUTPUT FROM .001 CU-IN TO .012 CU-IN | .016cc TO .196cc

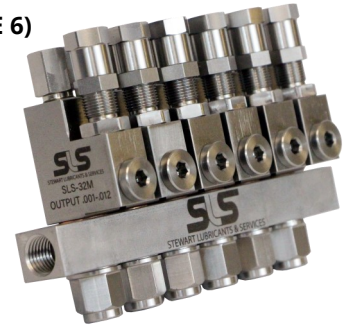
AVAILABLE IN 316 STAINLESS STEEL

MANUAL FILL PORT STANDARD, FILL STUDS AVAILABLE (PAGE 6)

VINYL PROTECTIVE CAPS INCLUDED

AVAILABLE IN METRIC INLETS & OUTLETS

TEMPERATURE RATED TO 350° STD



SLS-32 MAG STANDARD VENTING PRESSURE—(US & METRIC CONNECTORS AVAILABLE)

INJECTORS IN ASSEMBLY	INLET (FEMALE)	OUTLET* (MALE)	OUTPUT RANGE (CU-IN / CC)	PRESSURE (PSI / BAR) MIN/MAX/VENT	303 STAINLESS	316 STAINLESS
1	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-1-03-2A SLS-M32-1-03-6A	SLS-M32-1-16-2A SLS-M32-1-16-6A
2	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-2-03-2A SLS-M32-2-03-6A	SLS-M32-2-16-2A SLS-M32-2-16-6A
3	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-3-03-2A SLS-M32-3-03-6A	SLS-M32-3-16-2A SLS-M32-3-16-6A
4	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-4-03-2A SLS-M32-4-03-6A	SLS-M32-4-16-2A SLS-M32-4-16-6A
5	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-5-03-2A SLS-M32-5-03-6A	SLS-M32-5-16-2A SLS-M32-5-16-6A
6	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-6-03-2A SLS-M32-6-03-6A	SLS-M32-6-16-2A SLS-M32-6-16-6A
7	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-7-03-2A SLS-M32-7-03-6A	SLS-M32-7-16-2A SLS-M32-7-16-6A
8	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-8-03-2A SLS-M32-8-03-6A	SLS-M32-8-16-2A SLS-M32-8-16-6A
9	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-9-03-2A SLS-M32-9-03-6A	SLS-M32-9-16-2A SLS-M32-9-16-6A
10	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-10-03-2A SLS-M32-10-03-6A	SLS-M32-10-16-2A SLS-M32-10-16-6A
STAND ALONE INJECTOR	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-S-03-2A SLS-M32-03-6A	SLS-M32-S-16-2A SLS-M32-16-6A
REPLACEMENT INJECTOR	1/4" NPSF 1/4" -19 BSPP	1/8" TUBE 6MM TUBE	.001-.012 .016-.197	1200/3500/200 83/241/14	SLS-M32-R-03-2A SLS-M32-R-03-6A	SLS-M32-R-16-2A SLS-M32-R-16-6A

*ALTERNATIVE OUTLET OPTIONS AVAILABLE, SEE PAGE 4

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SLS-32 MAG

HIGH VENTING PRESSURE - GREASE

100% COMPATIBLE WITH EXISTING COMPETITORS MANIFOLDS

THE SLS-32 MAGNUM OUTPUTS UP TO 50% MORE LUBRICATION
ADJUSTABLE OUTPUT FROM .001 CU-IN TO .012 CU-IN | .016cc TO .196cc

AVAILABLE IN 316 STAINLESS STEEL

MANUAL FILL PORT STANDARD, FILL STUDS AVAILABLE (PAGE 6)

VINYL PROTECTIVE CAPS INCLUDED

AVAILABLE IN METRIC INLETS & OUTLETS

TEMPERATURE RATED TO 350° STD



SLS-32 MAG HIGH VENTING PRESSURE						
INJECTORS IN ASSEMBLY	INLET	OUTLET* (MALE)	OUTPUT RANGE (CU-IN / CC)	PRESSURE (PSI / BAR) MIN/MAX/VENT	303 STAINLESS	316 STAINLESS
1	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-1-03-2A	SLS-M32H-1-16-2A
2	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-2-03-2A	SLS-M32H-2-16-2A
3	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-3-03-2A	SLS-M32H-3-16-2A
4	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-4-03-2A	SLS-M32H-4-16-2A
5	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-5-03-2A	SLS-M32H-5-16-2A
6	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-6-03-2A	SLS-M32H-6-16-2A
7	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-7-03-2A	SLS-M32H-7-16-2A
8	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-8-03-2A	SLS-M32H-8-16-2A
9	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-9-03-2A	SLS-M32H-9-16-2A
10	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-10-03-2A	SLS-M32H-10-16-2A
STAND ALONE INJECTOR	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-S-03-2A	SLS-M32H-S-16-2A
REPLACEMENT INJECTOR	1/4" NPSF (F)	1/8" TUBE	.001-.012 .016-.197	1200/3500/600 83/241/41	SLS-M32H-R-03-2A	SLS-M32H-R-16-2A

*ALTERNATIVE OUTLET OPTIONS AVAILABLE, SEE PAGE 4

SLS-32 MAG ADDITIONAL OUTLET FITTINGS

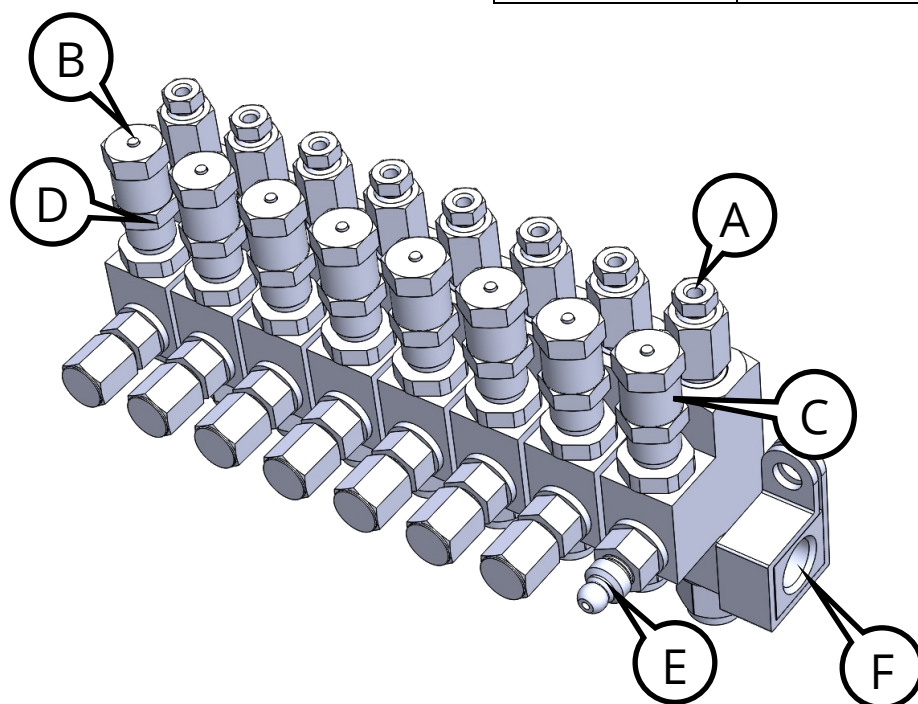
FOR OTHER OUTLET OPTIONS WHEN ORDERING THE SLS-32 OR SLS-43 INJECTOR SERIES, CHANGE THE A# IN THE PART NUMBER WITH ONE OF THE FOLLOWING OPTIONS BELOW.

EXAMPLE

SLS-M32-4-03-2A (STANDARD)

SLS-M32-4-03-6A (METRIC)

OUTLET TYPE	PART
1/8" NPSF (F)	1A
1/8" TUBE (STD)	2A
1/4" TUBE	3A
1/8" NPTF (M)	4A
4MM TUBE	5A
6MM TUBE	6A
#4 JIC	7A



A	LUBRICATION OUTLET
B	CYCLE INDICATOR PIN
C	OUTPUT ADJUSTMENT
D	ADJUSTMENT LOCK NUT
E*	MANUAL FILL STUD (OPTIONAL)
F	LUBRICANT FROM SUPPLY LINE

*** MANUAL FILL STUD PART
NO.**

CHECKLESS:

**SLS-90471L-ORS-303
SLS-90471L-ORS-316**

LEAK PROOF/CHECKED:

**SLS-90471L-LP-ORS-303
SLS-90471L-LP-ORS-316**

Output with indicator cap hand-tightened is .001 cu.
In. Maximum output is achieved with two turns
at .001 cu. In./turn

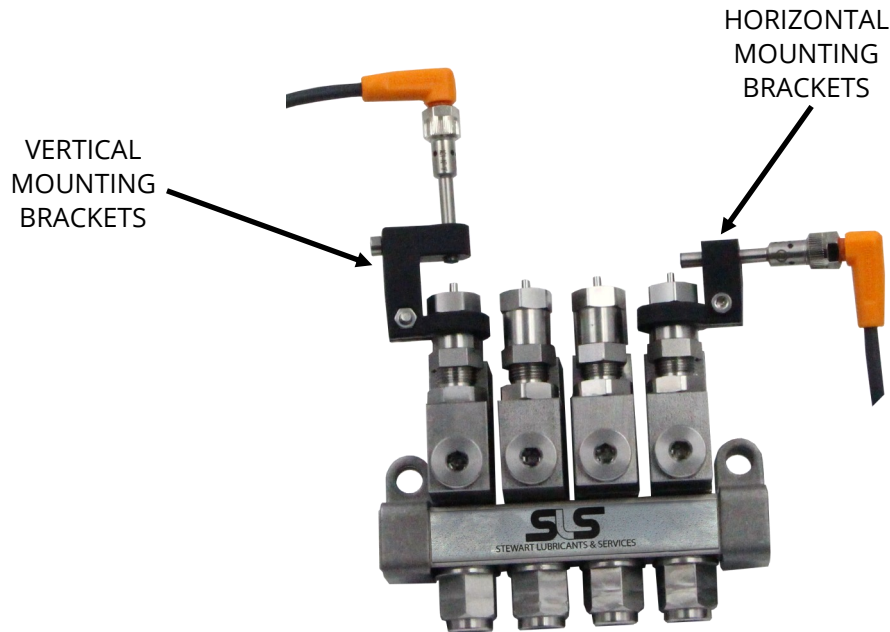
SPECIAL ACCESSORIES FOR SLS 32 INJECTOR SYSTEMS

PROXIMITY CYCLE VERIFICATION KIT

COMES WITH BOTH VERTICAL AND HORIZONTAL MOUNTING BRACKETS
INCLUDES PROXIMITY SWITCH AND CABLE

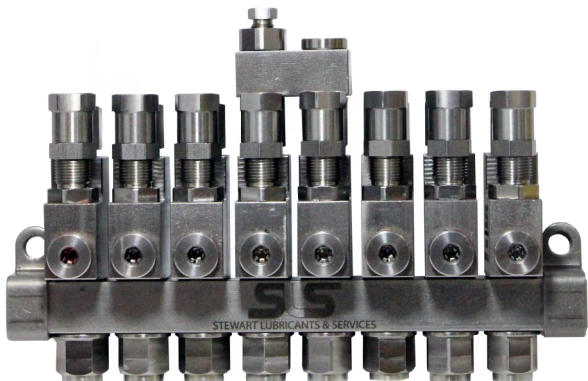
NPN SLS-32-PRX-KIT-NPN

PNP SLS-32-PRX-KIT-PNP



CROSSPORT KITS

PART NUMBER	DESCRIPTION
SLS-32CP-1A-21-303	SLS-32 CROSSPORT KIT, 2:1, 1/8 NPSF FEMALE OUT
SLS-32CP-2A-21-303	SLS-32 CROSSPORT KIT, 2:1, 1/8 TUBE OUT

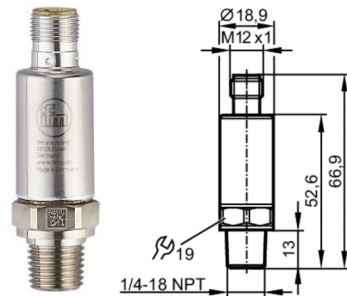
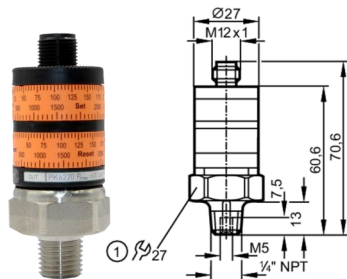


SINGLE LINE INJECTOR SYSTEM ACCESSORIES

SPECTRUM ADJUSTMENT SLEEVES

STANDARD PACK: 5 EACH			
MODEL NUMBER (5 PACK)	OUTPUT in3 (cc)	RATIO FROM MAXIMUM OUTPUT	SLEEVE COLOR
SLS-G25-M32	0.003 (.049)	25%	
SLS-P50-M32	0.006 (.098)	50%	
SLS-R75-M32	0.009 (.14)	75%	
SLS-B100-M32	0.012 (.19)	100%	

PRESSURE SWITCHES



PART NUMBER	DESCRIPTION
SLS-LP-HPS	PRESSURE SWITCH WITH INTUITIVE SWITCH POINT SETTING SIMPLE SWITCHING POINT BY MEANS OF TWO SETTING RINGS. PRESSURE MEASURING RANGE FROM 0—5800 PSI. MECHANICAL LOCKING PREVENTS INADVERTENT SWITCH POINT MANIPULATION. OPERATING VOLTAGE 9.6—32 VDC, 2, PNP. 316L STAINLESS 1/4" NPT EXTERNAL CONNECTION THREAD.
PART NUMBER	DESCRIPTION
SLS-LP-HPS-PV7601	FACTORY SET PRESSURE SWITCH PRESSURE MEASURING RANGE FROM 0—3625 PSI. FACTORY SET @3,500 PSI. MAY BE FACTORY SET AT OTHER PRESSURES UPON REQUEST AT NO CHARGE. OPERATING VOLTAGE 18-30 VDC, 2, PNP. 316L STAINLESS STEEL, 1/4" NPT EXTERNAL CONECTION THREAD.

VENT VALVES & ACCESSORIES



HYDRAULIC VENT VALVE



ELECTRIC VENT VALVE

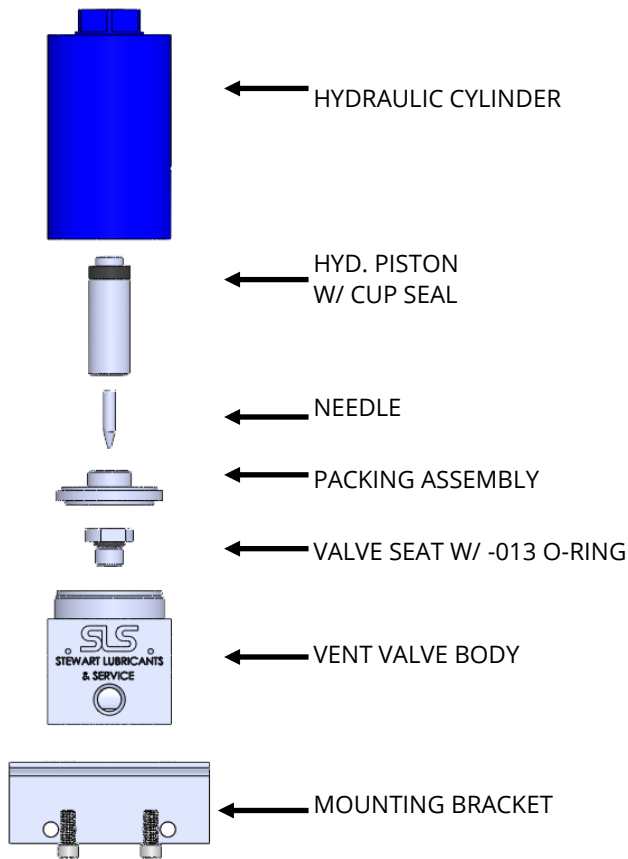


PNEUMATIC VENT VALVE

STANDARD PACK: 1 EACH

PRODUCT DESCRIPTION	NOTES	CARBON STEEL	303 STAINLESS	316 STAINLESS
PNEUMATIC VENT VALVE MIN AIR/MAX AIR PSI: 40/120PSI (NO SAFETY RELIEF VALVE INCLUDED)	INLET 3/4" NPSF (F) OUTLET 3/4" NPSF (F) VENT PORT 1/4-18" NPSF (F) MAX LUBE PRESSURE 4000 PSI INCLUDES MOUNTING BRACKET	SLS-VV-000P	SLS-VV-303P	SLS-VV-316P
PNEUMATIC VENT VALVE KIT MIN AIR/MAX AIR PSI: 40/120PSI (WITH 4000 PSI PRESSURE RELIEF VALVE INCLUDED IN KIT)		SLS-VV-000P-SRV	SLS-VV-303P-SRV	SLS-VV-316P-SRV
HYDRAULIC VENT VALVE HYDRAULIC MIN/MAX PSI: 300/450PSI (NO SAFETY RELIEF VALVE INCLUDED)		SLS-VV-000H	SLS-VV-303H	SLS-VV-316H
HYDRAULIC VENT VALVE KIT HYDRAULIC MIN/MAX PSI: 300/450PSI (WITH 4000 PSI PRESSURE RELIEF VALVE INCLUDED IN KIT)		SLS-VV-000H-SRV	SLS-VV-303H-SRV	SLS-VV-316H-SRV
SAFETY RELIEF VALVE	4000 PSI, 1/8 NPTF INLET	N/A	SLS-SRV-125.4000	SLS-SRV-125.4000-316
SAFETY RELIEF VALVE	4000 PSI, 1/4 NPTF INLET	N/A	SLS-SRV-250.4000	SLS-SRV-250.4000-316
VENT VALVE SEAL KIT—PNEUMATIC	REBUILD KIT	SLS-VVRK-P		
VENT VALVE SEAL KIT—HYDRAULIC	REBUILD KIT	SLS-VVRK-H		
VENT VALVE MOUNTING BRACKET	REPLACEMENT BRACKET	SLS-VVMB		

VENT VALVES REBUILD DIAGRAM & KIT



VENT VALVE SEAL KIT—HYDRAULIC

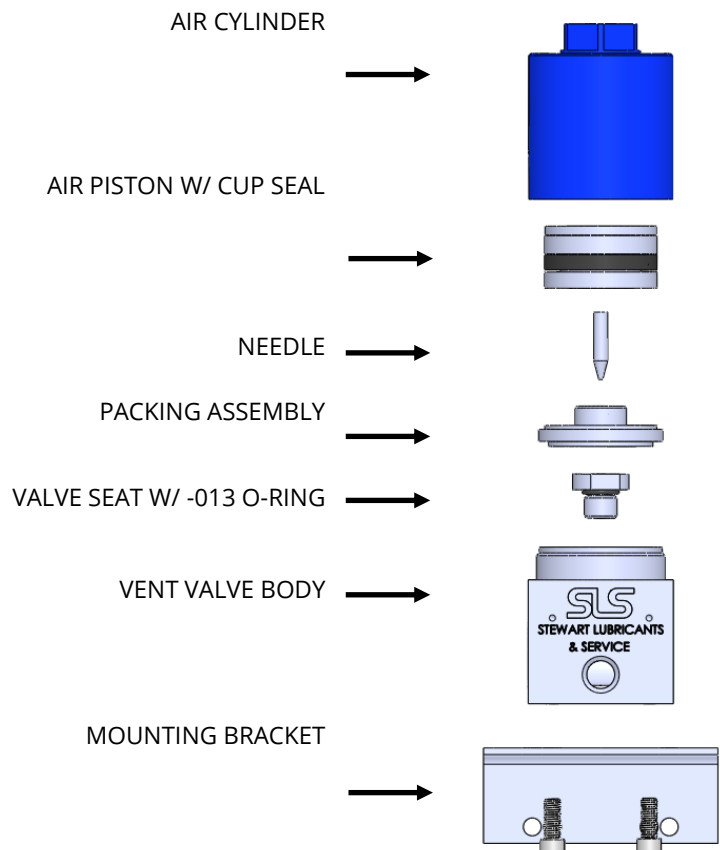
SLS-VVRK-H

PART DESCRIPTION	PART NUMBER
VENT VALVE SEAT SEAL	SLS-12661-0038
-013 O-RING	
PACKING ASSEMBLY	SLS-VV-006A
HYDRAULIC PISTON CUP SEAL	SLS-12661-0072
VV NEEDLE & SEAT KIT	SLS-VV-NSK

VENT VALVE SEAL KIT—PNEUMATIC

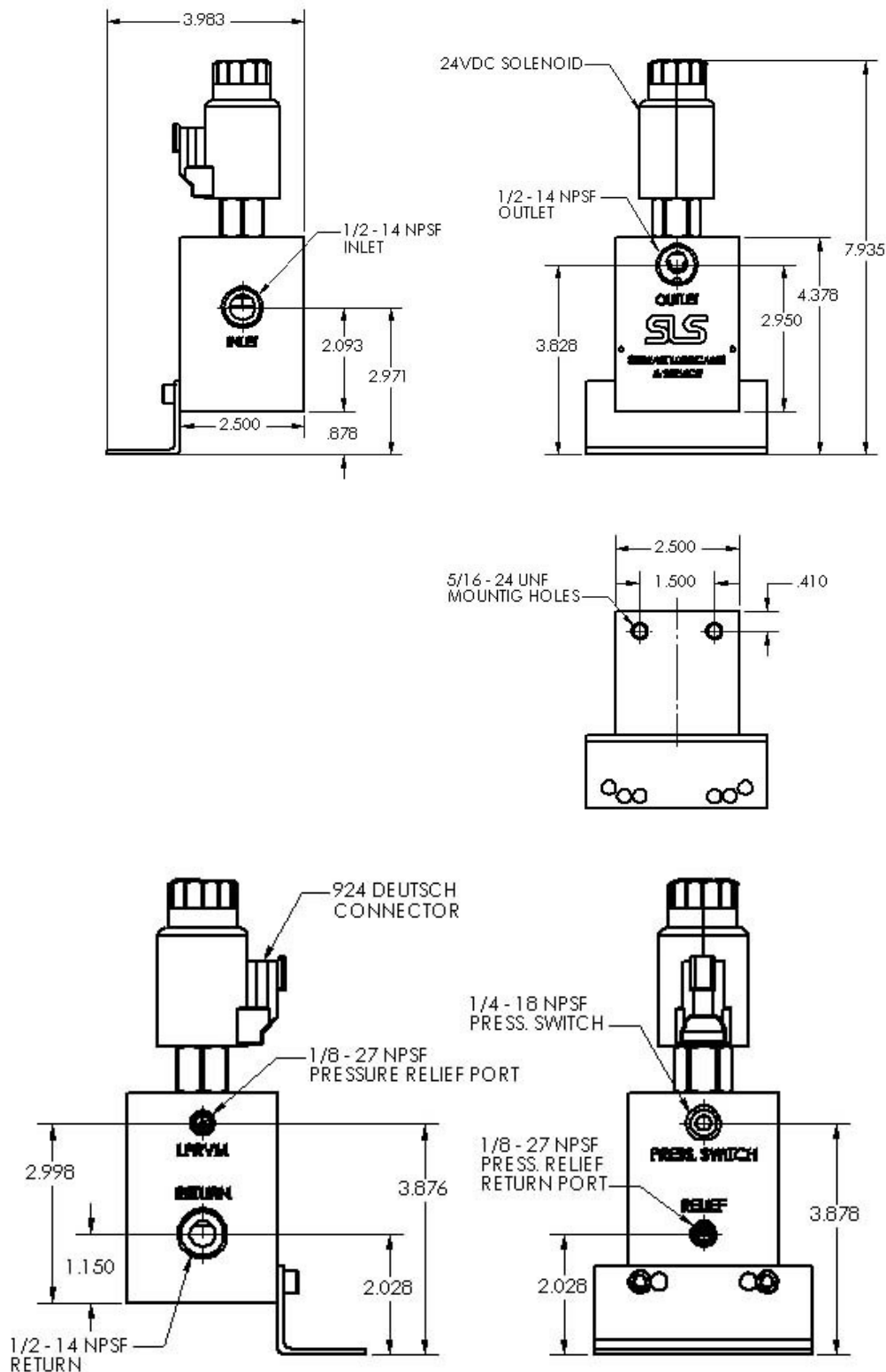
SLS-VVRK-P

PART DESCRIPTION	PART NUMBER
VENT VALVE SEAT SEAL	SLS-12661-0038
-013 O-RING	
PACKING ASSEMBLY	SLS-VV-006A
AIR PISTON CUP SEAL	SLS-12661-0070
VV NEEDLE & SEAT REPAIR KIT	SLS-VV-NSK

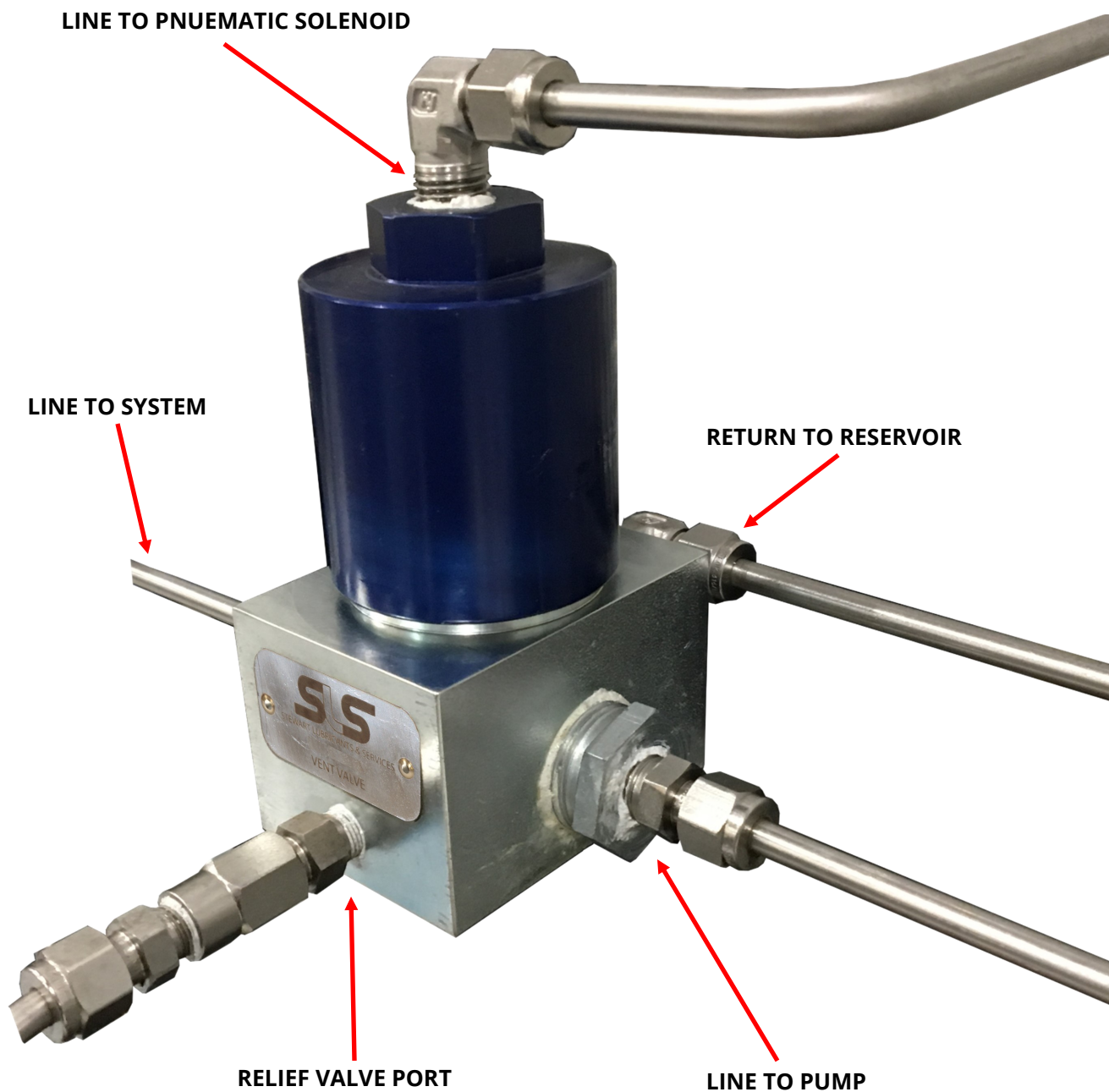


VENT VALVE DIMENSIONS

5000 PSI ELECTRIC VENT VALVE DIMENSIONS

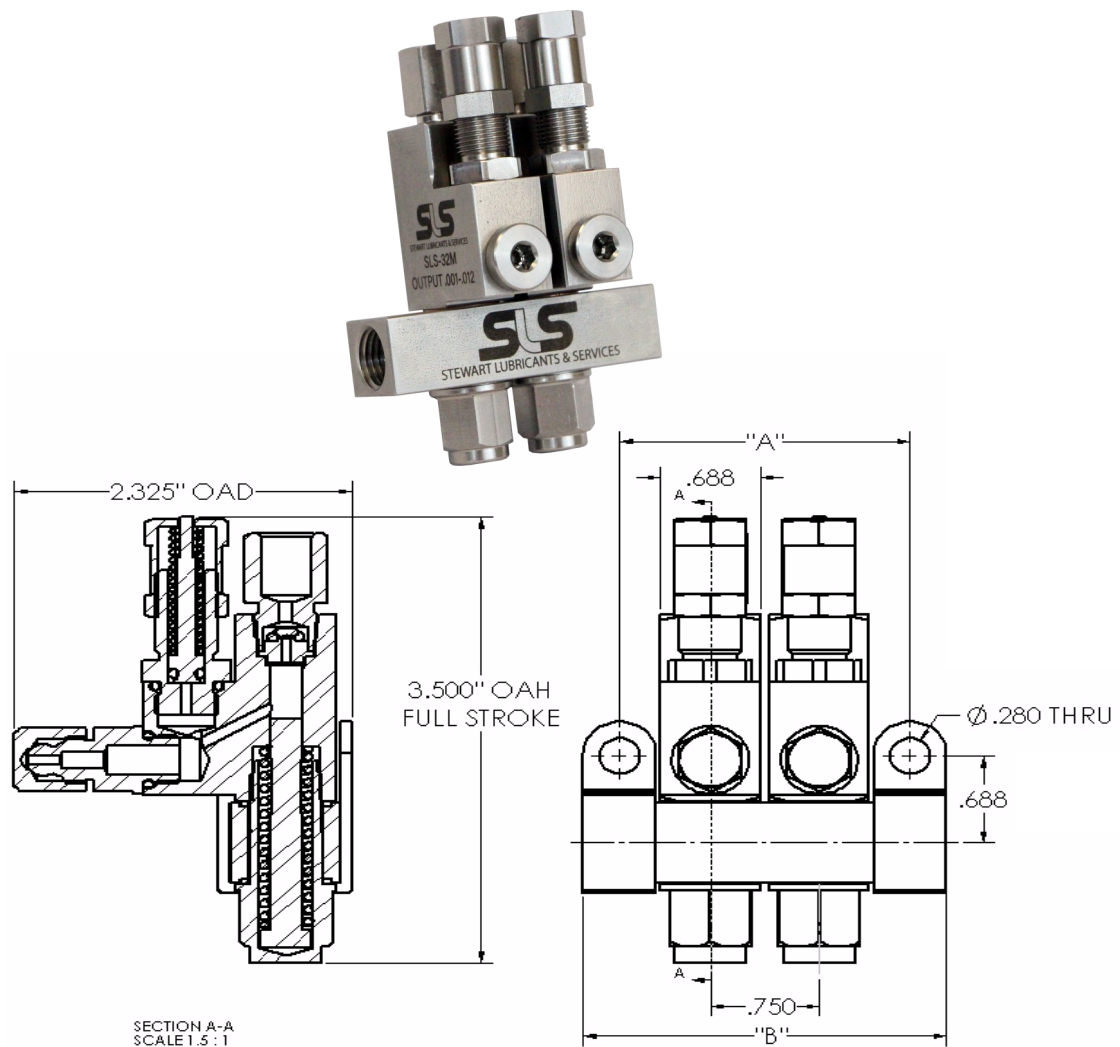


PNEUMATIC VENT VALVE INSTALLATION LAYOUT



DIMENSIONS & MOUNTING INFORMATION

SLS-32 MAG STANDARD VENTING PRESSURE

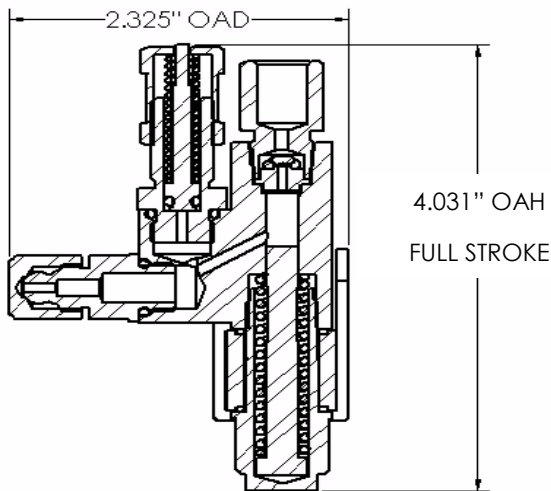


MANIFOLD CHART		
DESCRIPTION	DIMENSIONS	
	A	B
1 BANK	1.250"	1.750"
2 BANK	2.000"	2.500"
3 BANK	2.750"	3.250"
4 BANK	3.500"	4.000"
5 BANK	4.250"	4.750"
6 BANK	5.000"	5.500"
7 BANK	5.750"	6.250"
8 BANK	6.500"	7.000"
9 BANK	7.250"	7.750"
10 BANK	8.000"	8.500"

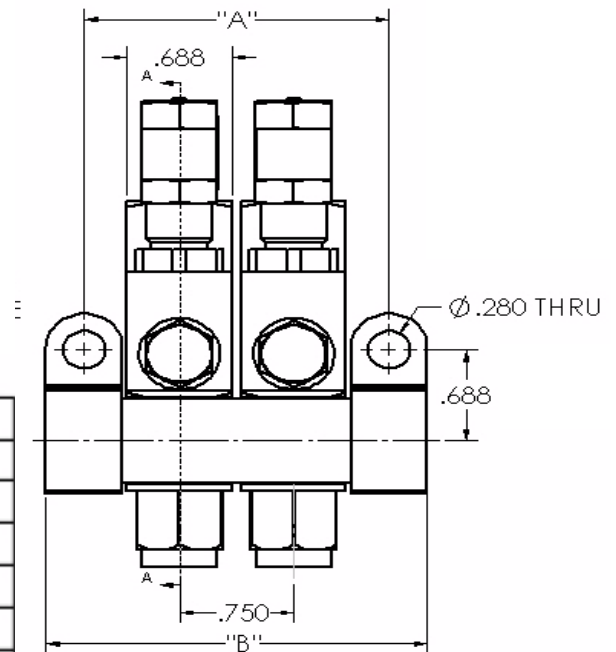
MIN. OUTPUT	MAX. OUTPUT
0.001CI/0.016CC	0.012CI/0.196CC

DIMENSIONS & MOUNTING INFORMATION

SLS-32 MAG HIGH VENTING PRESSURE



SECTION A-A
SCALE 1.5 : 1

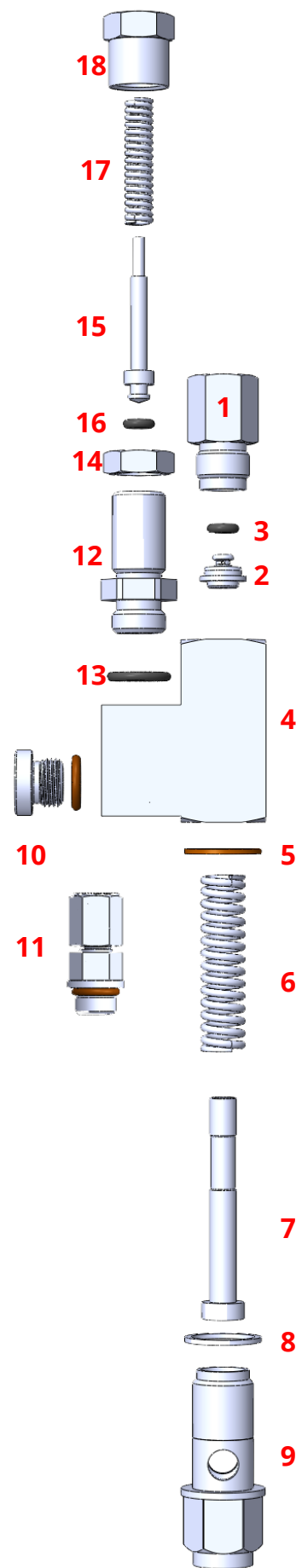


MANIFOLD CHART		
DESCRIPTION	DIMENSIONS	
	A	B
1 BANK	1.250"	1.750"
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3 BANK	2.750"	3.250"
4 BANK	3.500"	4.000"
5 BANK	4.250"	4.750"
6 BANK	5.000"	5.500"
7 BANK	5.750"	6.250"
8 BANK	6.500"	7.000"
9 BANK	7.250"	7.750"
10 BANK	8.000"	8.500"

MIN. OUTPUT	MAX. OUTPUT
0.001 C1/0.016 C C	0.012 C1/0.196 C C

SLS-32 MAG PARTS BREAKDOWN

#	DESCRIPTION	PART NUMBER
1	OUTLET BODY (OPTIONS AVAILABLE) 1/8" NPSF (F) CRS 1/8" NPSF (F) SS 1/8" TUBE (STD) CRS 1/8" TUBE (STD) SS 1/8" NPTF (M) CRS 1/8" NPTF (M) SS 4MM TUBE CRS 4MM TUBE SS 6MM TUBE CRS 6MM TUBE SS #4 JIC CRS #4JIC SS	SLS-32-010-1-303 SLS-32-010-1-316 SLS-32-010-2-303 SLS-32-010-2-316 SLS-32-010-4-303 SLS-32-010-4-316 SLS-32-010-6-303 SLS-32-010-6-316 SLS-32-010-6-303 SLS-32-010-6-316 SLS-32-010-7-303 SLS-32-010-7-316
2	OUTLET CHECK	SLS-32-007
3	O-RING FOR OUTLET CHECK	SLS-12261-0007
4	INJECTOR BODY	SLS-32-001-303 (CRS) SLS-32-001-316 (SS)
5	COPPER WASHER	SLS-32-009-CPR
6	PRESSURE SPRING	SLS-32-004
7	INJECTION PISTON	SLS-32-002
8	CRS WASHER	SLS-32-009-000
9	INLET BOLT	SLS-32-008
10	A/O PLUG (STANDARD)	SLS-SA002
11	FILL FITTING (OPTIONAL)	SLS-90471L-ORS-XXX
12	ADJUSTMENT BODY	SLS-32-013
13	ADJUSTMENT BODY O-RING	SLS-12661-0008
14	ADJUSTMENT LOCK NUT	SLS-32-012
15	MEASURE CHAMBER PISTON	SLS-32-006
16	MEASURE CHAMBER PISTON O-RING	SLS-12661-0007
17	MEASURE CHAMBER SPRING	SLS-32-005
18	ADJUSTMENT CAP	SLS-32-011



NOTES



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