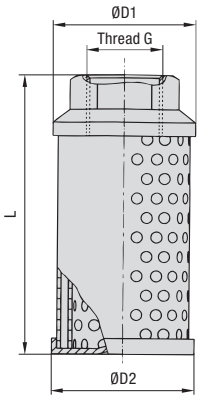
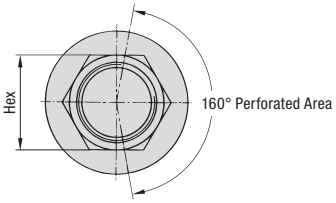
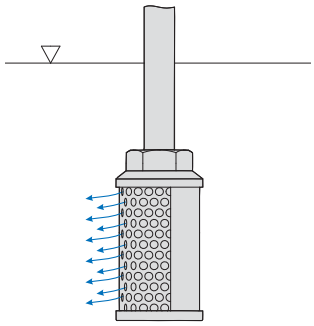
Diffuser ▪ Type SRV





Installation

Installation below the minimum fluid level of the reservoir with the plain area facing the pump inlet



Characteristics

Designed for direct installation into return lines to reduce fluid aeration, foaming and noise; should always be installed below the minimum fluid level

Features

- Available with female BSP thread (ISO 228) or female NPT thread (ANSI B1.20.1)
- Operating temperature range: -20 °C ... +100 °C / -4 °F ... +212 °F
- Max. working pressure: 20 bar / 290 PSI

Media Compatibility

- Suitable for use with Mineral and Petroleum based hydraulic fluids (HL and HLP)

Construction and Materials

- 2 concentric tubes with inner spaced holes
- Threaded end cap made of Aluminium
- Other components made of Steel, zinc-plated

Special sizes, designs, materials and configurations are available on request. Consult STAUFF for details.

Diffusers SRV are ideally suited for use with STAUFF Return Line Filters of the RF series with threaded connection.

For details, please see **Filtration Technology** section of this catalogue.

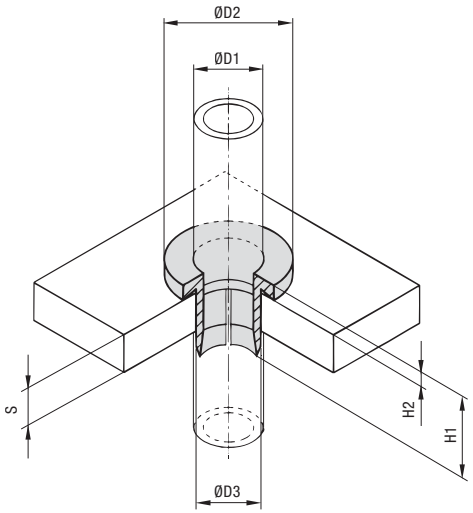
Dimensions and Order Codes (Female NPT Threaded Version)

Order Code	Thread G	Dimensions (mm/in) ØD1	ØD2	L	Hex	Max. Flow Rate
SRV - 050 - N12	3/4 NPT	64	60	109	36	50 l/min
		2.52	2.36	4.29	1.42	13 US GPM
SRV - 114 - N16	1 NPT	64	60	139	46	114 l/min
		2.52	2.36	5.47	1.81	30 US GPM
SRV - 200 - N20	1-1/4 NPT	86	82	139	60	200 l/min
		3.39	3.23	5.47	2.36	52 US GPM
SRV - 227 - N24	1-1/2 NPT	86	82	200	60	227 l/min
		3.39	3.23	7.87	2.36	59 US GPM
SRV - 454 - N32	2 NPT	86	82	260	70	454 l/min
		3.39	3.23	10.24	2.76	118 US GPM
SRV - 650 - N40	2-1/2 NPT	150	145	211	90	650 l/min
		5.91	5.71	8.31	3.54	169 US GPM
SRV - 950 - N48	3 NPT	150	145	272	100	950 l/min
		5.91	5.71	10.71	3.94	247 US GPM

Dimensions and Order Codes (Female BSP Threaded Version)

Order Code	Thread G	Dimensions (mm/in) ØD1	ØD2	L	Hex	Max. Flow Rate
SRV - 050 - B12	G3/4	64	60	109	36	50 l/min
		2.52	2.36	4.29	1.42	13 US GPM
SRV - 114 - B16	G1	64	60	139	46	114 l/min
		2.52	2.36	5.47	1.81	30 US GPM
SRV - 200 - B20	G1-1/4	86	82	139	60	200 l/min
		3.39	3.23	5.47	2.36	52 US GPM
SRV - 227 - B24	G1-1/2	86	82	200	60	227 l/min
		3.39	3.23	7.87	2.36	59 US GPM
SRV - 454 - B32	G2	86	82	260	70	454 l/min
		3.39	3.23	10.24	2.76	118 US GPM
SRV - 650 - B40	G2-1/2	150	145	211	90	650 l/min
		5.91	5.71	8.31	3.54	169 US GPM
SRV - 950 - B48	G3	150	145	272	100	950 l/min
		5.91	5.71	10.71	3.94	247 US GPM

Return Line Bushing ▪ Type SRF



Dimensions

Outside Diameter ØD1 (mm)	(in)	Nominal Bore (in)	Dimensions (mm/in) ØD2	H1	H2	Wall Thickness (mm/in) S	Mounting Bore (mm/in) ØD3
6	1/4		18	22	4	4 ... 12	10
			.71	.87	.16	.16 ... .47	.39
8	5/16		20	22	4	4 ... 12	12
			.79	.87	.16	.16 ... .47	.47
10	3/8	1/8 Pipe 1/4 Copper Tube	22	22	4	4 ... 12	14
			.87	.87	.16	.16 ... .47	.55
12	1/2	3/8 Copper Tube	24	22	4	4 ... 12	16
			.94	.87	.16	.16 ... .47	.63
14		1/4 Pipe	26	22	4	4 ... 12	18
			1.02	.87	.16	.16 ... .47	.71
15			28	22	4	4 ... 12	20
			1.10	.87	.16	.16 ... .47	.79
16	5/8	1/2 Copper Tube	28	22	4	4 ... 12	20
			1.10	.87	.16	.16 ... .47	.79
17		3/8 Pipe	30	22	4	4 ... 12	22
			1.18	.87	.16	.16 ... .47	.87
20	3/4		32	22	4	4 ... 12	24
			1.26	.87	.16	.16 ... .47	.94
22	7/8	3/4 Copper Tube	34	22	4	4 ... 12	26
			1.34	.87	.16	.16 ... .47	1.02
25	1		38	22	4	4 ... 12	30
			1.50	.87	.16	.16 ... .47	1.18
28		1 Copper Tube	41	22	4	4 ... 12	33
			1.61	.87	.16	.16 ... .47	1.30
30			43	22	4	4 ... 12	34
			1.69	.87	.16	.16 ... .47	1.39
35		1-1/4 Copper Tube	48	22	4	4 ... 12	40
			1.89	.87	.16	.16 ... .47	1.57
38	1-1/2		51	22	4	4 ... 12	43
			2.01	.87	.16	.16 ... .47	1.70
42		1-1/4 Pipe 1-1/2 Copper Tube	55	22	4	4 ... 12	47
			2.17	.87	.16	.16 ... .47	1.85

Characteristics

Designed as tubular support, vibration and noise absorber and protection element for rigid return lines entering the hydraulic reservoir

Features

- For all commonly available Metric and imperial pipe and tube diameters from 6 ... 42 mm and 1/4 ... 1-1/2 in
- Oil-tight and dust-proof sealing
- Simple assembly: Insert the bushing in to the bore hole and the install the lubricated pipe into the bushing
- Chemically resistant against oil and solvents

Media Compatibility

- Suitable for use with Mineral and Petroleum based hydraulic fluids (HL and HLP)

Materials

- Bushing made of Polypropylene (PP) or Thermoplastic Elastomer (TPE) with a hardness degree of 87 Shore-A

Consult STAUFF for alternative materials.

Order Codes

SRF - 20 - SA

① ② ③

① Type

Return Line Bushing	**SRF**

② Pipe / Tube Diameter

Outside diameter pipe / tube ØD1 in mm (according to dimension table)	**20**

③ Material

Polypropylene (PP) in natural colour	**PP**
Thermoplastic Elastomer (TPE) in black colour	**SA**

Consult STAUFF for alternative materials.