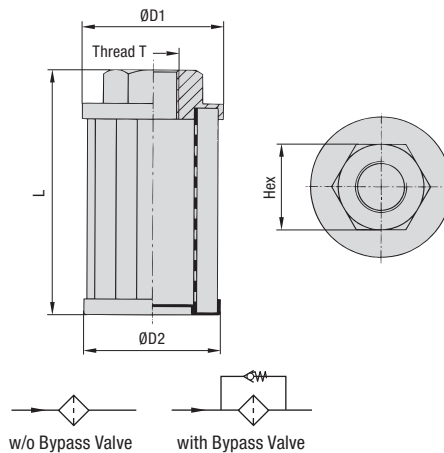
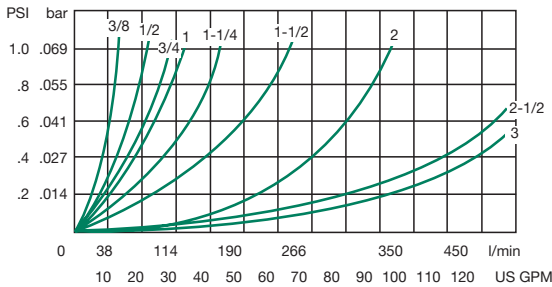


## Suction Strainer (Aluminium End Cap) Type SUS

### Flow Characteristics

#### Nominal Flow Rate vs. Pressure Drop $\Delta P$

The following characteristics are valid for Mineral oils with a mass density of 0.85 kg/dm<sup>3</sup> and a kinematic viscosity of 30 mm<sup>2</sup>/s (cSt) at +38 °C / +100 °F.



### Characteristics

Designed as in-tank suction strainer elements for direct installation into suction lines of pumps; should always be installed below the minimum fluid level of the reservoir

#### Features

- Available with female NPT thread (ANSI B1.20.1)
- Operating temperature range: -20 °C ... +100 °C / -4 °F ... +212 °F

#### Media Compatibility

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

#### Materials

- Threaded end cap made of Aluminium; see page 58 for version with Polyamide (PA) end cap
- Lower end cap and support tube made of Steel, zinc-plated
- Filter material made of Stainless Steel Mesh (125 µm); alternative micron ratings of 60 µm and 250 µm on request

Contact STAUFF for alternative materials.

#### Options

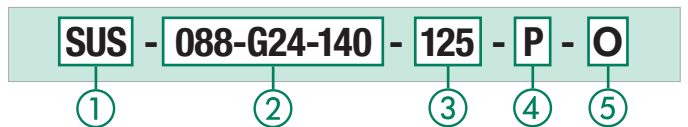
- Integrated bypass valve with an opening pressure of 0,2 bar (3 PSI) to reduce the risks of high-pressure drops that can be caused by contaminated strainer elements or high-viscosity fluids

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

### Dimensions and Technical Data (Female NPT Threaded Version)

Group Size	Thread T	Dimensions (mm/in)				Filter Surface	Max. Flow Rate
		ØD1	ØD2	L	Hex		
050-N06-067	3/8 NPT	50	49	67	26	296 cm <sup>2</sup>	12 l/min
		1.97	1.93	2.64	1.02	46 in <sup>2</sup>	3.1 US GPM
050-N06-090	3/8 NPT	50	49	90	26	430 cm <sup>2</sup>	12 l/min
		1.97	1.93	3.54	1.02	67 in <sup>2</sup>	3.1 US GPM
050-N08-105	1/2 NPT	50	49	105	26	518 cm <sup>2</sup>	15 l/min
		1.97	1.93	4.13	1.02	80 in <sup>2</sup>	3.9 US GPM
068-N12-105	3/4 NPT	68	66	105	34	676 cm <sup>2</sup>	25 l/min
		2.68	2.60	4.13	1.34	105 in <sup>2</sup>	6.5 US GPM
068-N16-140	1 NPT	68	66	140	42	930 cm <sup>2</sup>	50 l/min
		2.68	2.60	5.51	1.65	144 in <sup>2</sup>	13.0 US GPM
088-N20-140	1-1/4 NPT	88	85	140	50	1172 cm <sup>2</sup>	65 l/min
		3.46	3.35	5.51	1.97	182 in <sup>2</sup>	16.9 US GPM
088-N20-195	1-1/4 NPT	88	85	195	60	1709 cm <sup>2</sup>	65 l/min
		3.46	3.35	7.68	2.36	265 in <sup>2</sup>	16.9 US GPM
088-N24-140	1-1/2 NPT	88	85	140	60	1172 cm <sup>2</sup>	140 l/min
		3.46	3.35	5.51	2.36	182 in <sup>2</sup>	36.4 US GPM
088-N24-226	1-1/2 NPT	88	85	226	60	2012 cm <sup>2</sup>	140 l/min
		3.46	3.35	8.90	2.36	312 in <sup>2</sup>	36.4 US GPM
088-N24-260	1-1/2 NPT	88	85	260	60	2344 cm <sup>2</sup>	140 l/min
		3.46	3.35	10.24	2.36	363 in <sup>2</sup>	36.4 US GPM
088-N32-260	2 NPT	88	85	260	70	2344 cm <sup>2</sup>	230 l/min
		3.46	3.35	10.24	2.76	363 in <sup>2</sup>	59.8 US GPM
150-N40-213	2-1/2 NPT	150	145	213	90	2741 cm <sup>2</sup>	340 l/min
		5.91	5.71	8.39	3.54	425 in <sup>2</sup>	88.4 US GPM
150-N48-272	3 NPT	150	145	272	100	3625 cm <sup>2</sup>	400 l/min
		5.91	5.71	10.71	3.94	562 in <sup>2</sup>	104 US GPM

### Order Codes



#### ① Type

Suction Strainer for direct installation into suction lines of pumps

SUS

#### ② Group Size

Select 'Group Size' from corresponding column in dimensional tables

The group size is defined by the diameter ØD1 of the threaded end cap, the thread code (Type and size) and the total length of the suction strainer element (e.g. 040-B06F-075).

#### ③ Filter Material / Micron Rating

Stainless Steel Mesh, 125 µm (standard option)	125
Stainless Steel Mesh, 60 µm	060
Stainless Steel Mesh, 250 µm	250

Contact STAUFF for alternative materials / micron ratings.

#### ④ Material of Threaded End Cap

Glass-fibre reinforced Polyamide	P
Aluminium (for female NPT threaded version only)	A

#### ⑤ Bypass Option

Without bypass valve (standard option)	0
Integrated bypass valve with opening pressure of 0,2 bar (3 PSI)	B0.2

