

The Growco LS-SA Series strainers are designed to filter out the solid impurity found in the pipeline to protect the downstream equipment such as flow meters, pumps, etc. The LS-SA series strainers have the option of Y-type design for the similar purpose to protect the downstream equipment such as flow meters, pumps, etc.

➤ **TYPICAL FEATURES OF LS-SA SERIES:**

- Stable and reliable operations.
- Straight through flow design.
- Simple structure and easy maintenance.
- Horizontal installation.



Photograph of Typical LS-SA Series

➤ **PRINCIPLE OF OPERATIONS**

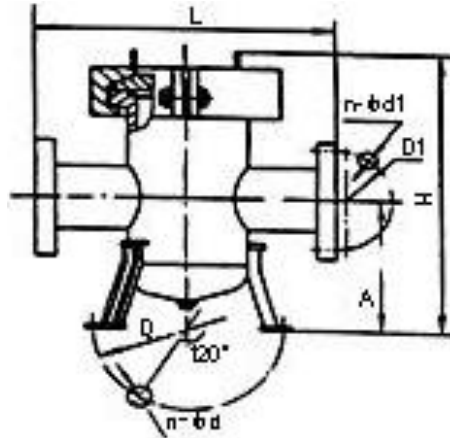
When the fluid flows through the inlet of the strainer, its pressure push the fluid into a basket strainer element (options for mesh sizes) to filter out the solid impurity before flowing to the outlet. The basket strainer element can be taken out for cleaning on a regular basis by following each customer’s own maintenance practices or whenever necessary. The LS-SA series has the option of Y-type design to give the customer their preference to choose it.

➤ **GENERAL SPECIFICATIONS**

Nominal Diameter (mm)*	15	25	40	50	80	100	150	200	250	300
Working Fluid	Petroleum products such as diesel, gasoline, kerosene & crude oil; water or consult factory for other fluids									
Nominal Pressure Type*	1.6 ; 2.5 ; 4.0 ; 6.4 MPa									
Mesh No. Per Square Inch	40 (standard) ; Options : 20 / 10									
Temperature range *	0~+80°C, 0~+120°C, 0~+150°C, 0~+350°C									
Material of Construction	Standard : Cast Steel Option : 304 SS & 316 SS									

* **Notes:** 1) Please provides the information during inquiry.

Typical LS-SA Approximate Dimensions & Data :

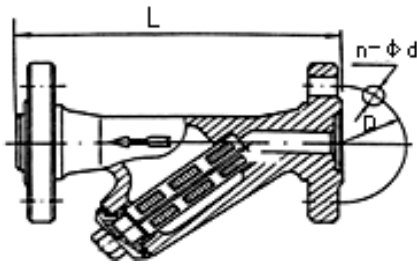


DN* (mm)	Nominal Pressure (MPa)	L	A	Filter Mesh No.	Grounding			H	Flange			Approx. Weight (kg)
					D	bolt			D1	Bolt		
						n	φd			n	d1	
50	1.6	32 0	237	20 40	310	3	23	455	125	4	18	34
	2.5								135		23	
	4.0											
	6.4											
80	1.6	42 0	260	20 40	335	3	23	580	160	8	18	60
	2.5								170		23	
	4.0											
	6.4											
100	1.6	52 0	315	20 40	335	2	23	668	180	8	18	85
	2.5								190		23	
	4.0								200		25	
	6.4											
150	1.6	72 0	500	20 40	520	3	23	940	240	8	23	180
	2.5								250		25	
	4.0								280		34	
	6.4											
200	1.6	80 0	538	10 20	634	3	23	107 0	295	12	23	400
	2.5								310		25	
	4.0								320		30	
	6.4								345		34	
250	1.6	10 00	580	10 20	658	3	23	113 4	355	12	53	1000
	2.5								370		25	
	4.0								385		34	
	6.4								400		41	
300	1.6	10 70	105 0	10 20	670	3	23	180 0	410	12	25	2000
	2.5								430		30	
	4.0								450		34	
	6.4								460		41	

Notes:

- 1) DN* - Nominal Diameter based on flange connection. Consult us when necessary.
- 2) All dimensions and weights shown in above table are approximate for reference only.

Typical LS-SA with Option of Y-Type Design Approximate Dimensions & Data :



DN* (mm)	Nominal Pressure(MPa)	L	Filter Mesh No.	Flange		Weight
				D	n-φd	
15	1.6,2.5,4.0	110	40	65	4-φ14	3
25	1.6,2.5,4.0	150	40	85	4-φ14	8
40	1.6,2.5,4.0	200	40	110	4-φ18	12

Notes:

- 1) DN* - Nominal Diameter based on flange connection. Consult us when necessary.
- 2) All dimensions and weights shown in above table are approximate for reference only.
- 3) Consult us if other sizes are required and we will advise availability accordingly.

➤ **CAUTIONS FOR THE INSTALLATION:**

- ❑ Welding slug, foreign particles, etc. in the pipe must be cleared up before the Strainer is installed.
- ❑ Strainer basket shall be cleaned regularly to ensure no blockage.
- ❑ Install the strainer correctly (eg. Horizontally).
- ❑ The strainer must be installed at the upstream of the Flow meter.
- ❑ Please also follow any required local standard recommendations of pipelines installations to ensure compliance to local safety requirements.

➤ **NOTICE WHEN ORDERING:**

- Describe its application.
- Specify its model/series or size.
- Specify working & maximum pressures.
- Specify product & maximum viscosity.
- Specify horizontal installation.
- Other useful details or contact us.

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