

SIMPLEX BASKET STRAINERS VIKING BOLTED-LID

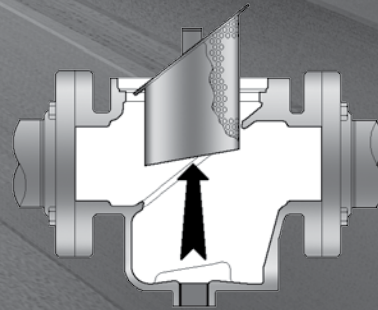
PROTECTION FOR PUMPS AND DOWNSTREAM SYSTEMS

Features & Benefits

- Strainer bodies available in ductile iron
- Lid vent, pressure differential gauge ports, and bottom drain are all standard
- Stainless steel baskets with 3/16" perforation holes standard (no mesh)
- Basket lining available in 10, 20, 40, 60, 80 or 100 mesh
- Baskets provide maximum hoop strength to prevent distortion or basket damage
- Ductile iron can be used for steel requirements in chemical, petrochemical and pharmaceutical industries

Options

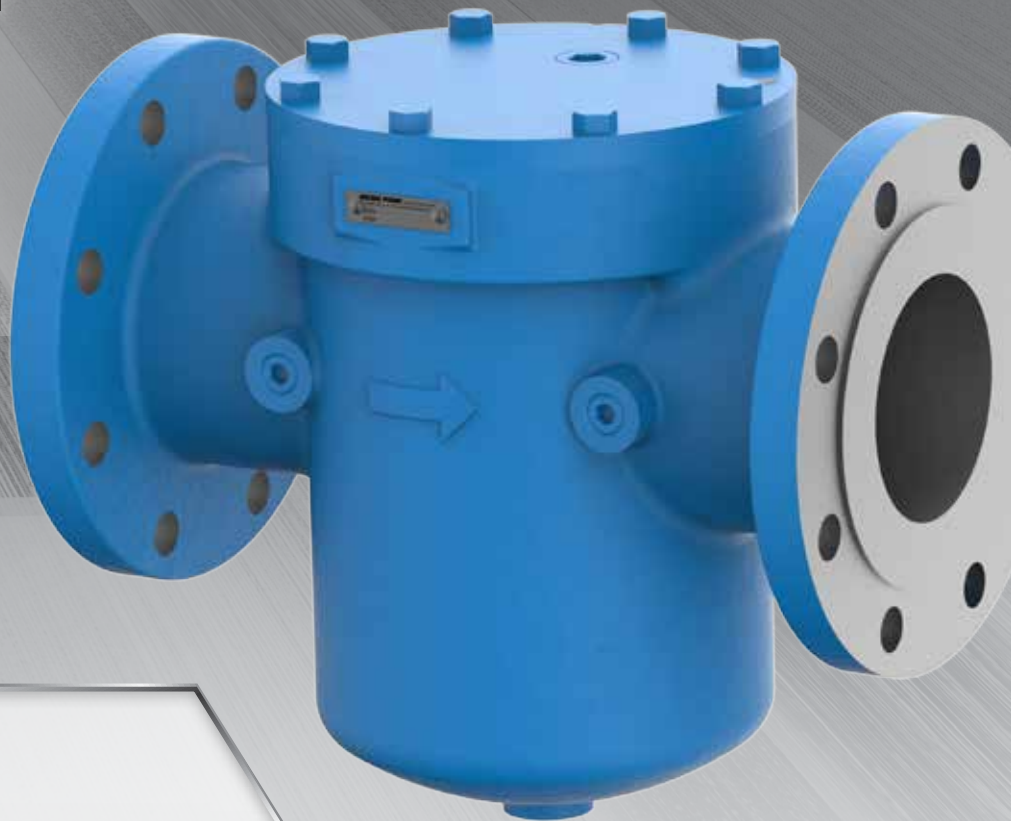
- Basket mesh from 10 to 100
- Magnetic inserts
- Differential pressure indicators



When the basket requires cleaning, simply vent system pressure, remove the lid and withdraw the basket from the top. Foreign matter contained in the basket will not drop back into the system.



The inclined position of the strainer basket adjacent to the porting allows for smooth flow patterns.



SIZES 2", 3", 4"



MATERIALS Ductile Iron



PORTS Raised Face Flanges (Class 150 or Class 300)

VIKING PUMP
A Unit of IDEX Corporation

BOLTED-LID STRAINERS

PERFORMANCE SPECIFICATIONS

Model Number	Port Size	① Nominal Capacity Suction Rating	② Rated System Pressure	③ Temperature Range	Approximate Shipping Weight
		Inches	GPM	PSI	
F-1020-RDUC	2	100	250	0 to +350	28
F-1020-HDUC	2	100	640	0 to +350	31
F-1030-RDUC	3	200	250	0 to +350	58
F-1030-HDUC	3	200	640	0 to +350	65
F-1040-RDUC	4	400	250	0 to +350	81
F-1040-HDUC	4	400	640	0 to +350	96

① Capacity based on approx. 1 PSI pressure drop with 40 mesh basket and 38 SSU liquid.

② System pressure ratings for temperature range of 0°F to 100°F per ANSI B16.42 Ductile Iron Pipe Flanges and Flanged Fittings.

③ Elastomers suitable for temperature must be used.

MESH SPECIFICATIONS

MESH	NO MESH (Perforated Basket Only)	10	20	40	60	80	100
OPENING (INCHES)	.188 (Sizes 2" - 4")	.075	.034	.015	.009	.007	.0055
OPENING (MICRONS)	4775 (Sizes 2" - 4")	1,910	860	380	230	190	140

Strainer shown with optional pressure differential indicator.



VIKING QUALITY CONSTRUCTION

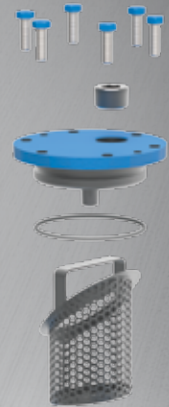
- High-quality, easy-to-clean simplex strainers
- Designed for chemical, petrochemical and most general fluid-flow applications
- Raised face flanges are available for 2, 3 and 4 inch piping
- SS basket and screen are available in no mesh, 10, 20, 40, 60, 80 or 100 mesh
- Nominal capacities range from 100 to 400 GPM
- Pressures up to 640 PSI
- Strainer bodies and lids are available in ductile iron



Baskets shown with optional magnetic inserts to trap fine ferrous particles.

LOW PRESSURE DROP

Viking Bolted-Lid Strainers are designed for minimal pressure drop through the unit. Pressure drop is minimized by the inclined position of the strainer basket adjacent to the porting. This provides smooth flow patterns not found in conventional basket type strainers.



EASY TO CLEAN

No special tools are needed for lid removal. Once bolts are removed with a standard wrench, lid is lifted to open the cover. The basket is removed from the top of the strainer to eliminate foreign matter from dropping back into the line when the strainer is cleaned. These strainers are equipped with a bottom drain plug for complete draining.



VIKING PUMP

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