

# Style HLC

Basket Strainer  
 Cast Iron (ASTM A 126, Class B)  
 125 lb. Flanged  
 Clamp Cover



## Cast Iron Basket Strainer

### APPLICATIONS

The Keckley Style HLC is designed for liquid service where a quick open cover and protection from foreign matter in low pressure pipelines is required.

### CONSTRUCTION

The Keckley Style HLC strainers are constructed from rugged cast iron castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.1.

### FEATURES

The Keckley Style HLC strainer features a basket with an angular cutaway design to allow straight through flow and extremely low pressure loss. All sizes have a quick opening clamped cover for ease in basket removal. The Style HLC has an o-ring that is compressed between the body and cover for a positive shut off and to maximize durability. Keckley Style HLC strainers are furnished standard with a tapped and plugged NPT drain connection.

### BASKETS

Standard baskets are 304 stainless steel and are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements.

### CLEANING

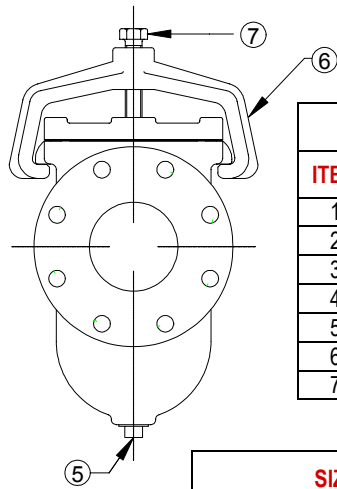
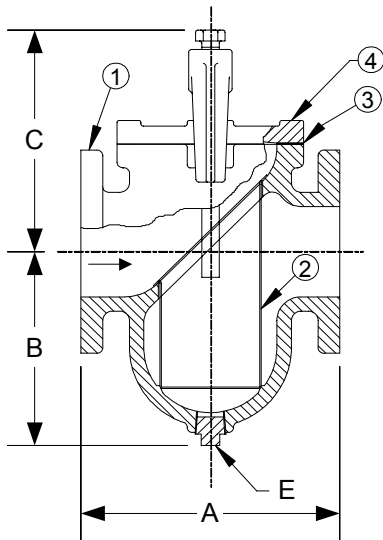
Cleaning of the Style HLC strainer is accomplished by removing the cover and pulling out the basket. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

### WORKING PRESSURES – NON SHOCK

NOM. RATING	MEDIA	2" to 4"	50 mm to 100 mm
125# F.F. & D. (STANDARD FLANGE)	RECOMMENDED FOR LIQUID SERVICE ONLY	60 PSI @ 150°F	414 KPa @ 66°C
		5" to 8"	125 mm to 200 mm
		40 PSI @ 150°F	276 KPa @ 66°C
		10" & 12"	250 mm to 300 mm
		100 PSI @ 150°F	690 KPa @ 66°C
		14" & 16"	350 mm to 400 mm
		6 PSI @ 150°F	41 KPa @ 66°C

# Style HLC

**Basket Strainer, 125 lb. Flanged  
Cast Iron (ASTM A 126, Class B)**



\*10" & 12" UTILIZE A SET OF (2) CLAMPS.

Sizes 8" and up have side drain blow-off hole.

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST IRON (ASTM A 126, CLASS B)
2	BASKET	STAINLESS STEEL (304)
3	O-RING	BUNA-N
4	COVER	CAST IRON (ASTM A 126, CLASS B)
5	PIPE PLUG	MALLEABLE IRON
6	CLAMP	CAST IRON (ASTM A 126, CLASS B)
7	CLAMP SCREW	STEEL

**STANDARD SCREENS SUPPLIED**

SIZE		SCREEN GAGE	SCREEN PERFORATION		
in	mm		FOR LIQUID		OPEN AREA
			in	mm	
2 to 3	50 to 80	28	3/64	1.2	33%
4 to 16	100 to 400	24 - 20	1/8	3.2	43%

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS								WEIGHTS	
		A		B		C		E			
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
2	50	8	203	6	152	6-1/2	165	3/4	20	26	12
2-1/2	65	8-1/4	210	7	178	6-3/4	171	3/4	20	37	17
3	80	9-3/4	248	8-1/4	210	7-3/4	197	3/4	20	50	23
4	100	11-1/2	292	9	229	9	229	1	25	74	34
5	125	13-1/8	333	9-3/4	248	10	254	1	25	97	44
6	150	14-3/4	375	10-1/2	267	10-1/2	267	1	25	131	59
8	200	18-1/2	470	12-3/4	324	13-3/4	349	1	25	236	107
10	250	20-1/8	511	14-3/4	375	14-1/4	362	1-1/2	40	382	173
12	300	26-1/4	667	17-1/2	445	17-1/4	438	1-1/2	40	783	355
14	350	30-1/4	768	23-1/4	591	On appl.	On appl.	2	50	864	392
16	400	33-1/8	841	24-1/4	616	On appl.	On appl.	2	50	1106	502

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

**FLOW COEFFICIENTS**

Size	C <sub>v</sub>	Size	C <sub>v</sub>	Size	C <sub>v</sub>
2"	42.7	5"	442.7	12"	4980.6
2 1/2"	77.5	6"	743.1	14"	7984.8
3"	120.2	8"	1486.3	16"	9565.9
4"	276.7	10"	3051.6		

**TOTAL SCREEN AREA**

Size	(in <sup>2</sup> )	Size	(in <sup>2</sup> )	Size	(in <sup>2</sup> )
2"	29.27	5"	142.29	12"	691.07
2 1/2"	45.11	6"	176.75	14"	1141.87
3"	78.20	8"	310.03	16"	1428.51
4"	108.44	10"	457.06		

\*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

**Working pressure – Non shock Water service**

2" to 4" .....60 psi - 150°F  
5" to 8" .....40 psi - 150°F  
14" to 16" ..... 6 psi - 150°F

**Special Double Clamp**

10" to 12" .....100 psi - 150°F

Consult factory for higher pressure and temperature limits.