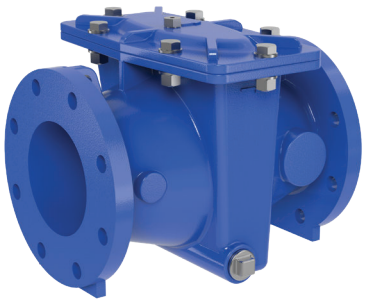
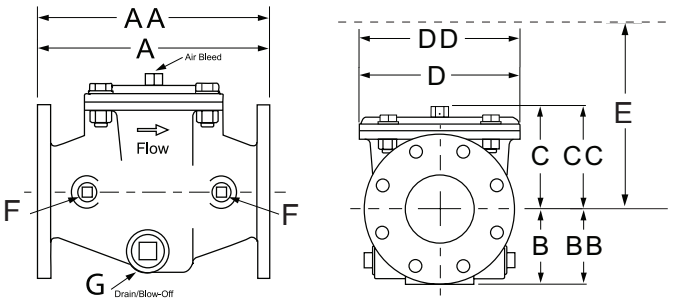
Model X43H
H STYLE STRAINER





- Low Pressure Drop
- Ductile Iron with NSF/ANSI 61 Fusion Bonded Epoxy Coating
- Construction with a 316 Stainless Steel Strainer
- Large Flow Area H-Style Design
- Service Without Removal From Line

The Cla-Val Model X43H Strainer is designed to effectively remove unwanted solid particles from pipeline flow, helping to prevent fouling, debris accumulation, and particle buildup in Cla-Val Automatic Control Valves. Its large flow area design incorporates a flat stainless steel strainer mesh positioned perpendicular to the flow, optimized for low pressure drop applications. The compact H-pattern body design simplifies maintenance by allowing easy access through the removable top cover. Installation with the cover facing upward is recommended. Optional accessories for the X43H Strainer include the Differential Pressure Switch and the X141DP Differential Pressure Gauge Assembly.

Dimensions

Strainer Size (inches)	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36	48
A 150 ANSI	9.06	9.06	9.06	11.81	11.81	15.75	19.69	22.83	24.02	25.59	31.50	31.50	37.40	43.31	45.27	45.67	45.67
AA 300 ANSI	–	9.13	9.13	12.60	12.60	15.75	19.69	22.91	24.09	25.67	31.57	31.57	37.48	43.39	–	–	–
B 150 ANSI	2.50	3.26	3.66	4.06	4.33	5.63	6.69	8.40	9.40	10.24	12.20	13.18	19.09	19.09	22.49	26.00	34.00
BB 300 ANSI	–	3.26	3.66	4.06	5.02	5.63	7.50	8.86	10.20	10.94	12.70	15.00	19.09	19.09	–	–	–
C Max. 150 ANSI	3.78	3.78	3.78	5.91	5.91	7.52	8.82	11.61	15.16	14.96	19.69	19.69	23.98	23.98	25.10	36.20	34.11
CC Max. 300 ANSI	–	5.20	5.35	6.22	6.22	7.99	9.33	12.79	15.67	15.67	19.69	19.69	23.98	23.98	–	–	–
D Dia. 150 ANSI	7.87	7.87	7.87	9.25	9.25	15.74	18.11	22.05	26.77	26.77	35.43	35.43	46.85	46.85	46.85	61.65	61.65
DD Dia. 300 ANSI	–	7.99	7.99	9.37	9.37	15.86	18.23	22.17	26.85	26.85	35.43	35.43	46.85	46.85	–	–	–
E Disassembly	16	17	17	22	22	26	29	37	44	44	59	59	76	76	77	104	102
F Inlet/Outlet Plugs NPT	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
G Drain/Blow-off Plug NPT	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	2	2	2	2	2	2	2	2	2
Approx. Ship Wt. Lbs.	33	36	39	59	73	143	212	432	626	683	970	1073	1175	1962	2249	4123	4828

Strainer Size (mm)	**40**	**50**	**65**	**80**	**100**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**	**600**	**750**	**900**	**1200**
A 150 ANSI	230	230	230	300	300	400	500	580	610	650	800	800	950	1100	1150	1160	1160
AA 300 ANSI	–	232	232	320	320	402	502	582	612	652	802	802	952	1102	–	–	–
B 150 ANSI	64	83	93	103	110	143	170	213	239	260	310	335	485	485	571.5	660.5	864
BB 300 ANSI	–	83	93	103	128	143	191	225	259	278	323	381	485	486	–	–	–
C Max. 150 ANSI	96	96	96	150	150	191	224	295	385	380	500	500	610	610	638	920	867
CC Max. 300 ANSI	–	132	136	158	158	203	237	325	398	398	500	500	610	610	–	–	–
D Dia. 150 ANSI	200	200	200	235	235	400	460	560	680	680	900	900	1190	1190	1190	1566	1566
DD Dia. 300 ANSI	–	203	203	238	238	403	463	563	682	682	900	900	1190	1190	–	–	–
E Disassembly	406	432	432	559	559	660	737	940	1118	1118	1499	1499	1930	1930	1956	2642	2591
F Inlet/Outlet Plugs NPT	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
G Drain/Blow-off Plug NPT	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	2	2	2	2	2	2	2	2	2
Approx. Ship Wt. (kg)	15	16	18	27	33	65	96	196	284	310	440	600	810	890	1020	1870	2190

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Specifications

Sizes (Inches): 1½, 2, 2 ½, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36 and 48

Sizes (mm): 40, 50, 65, 80,100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 750, 900, 1200

Ends: Flanged, ANSI Class 150 and 300 (Note: 300# Flanges are Raised Face)

Max Pressure Rating:
150# - 250 psi
300# - 400 psi
Temperature: Maximum 175°F

Materials:
Body & Cover: Ductile Iron ANSI B16.42; Fusion Bonded Epoxy Coating Standard

Cover Seal: Buna-N® Synthetic Rubber

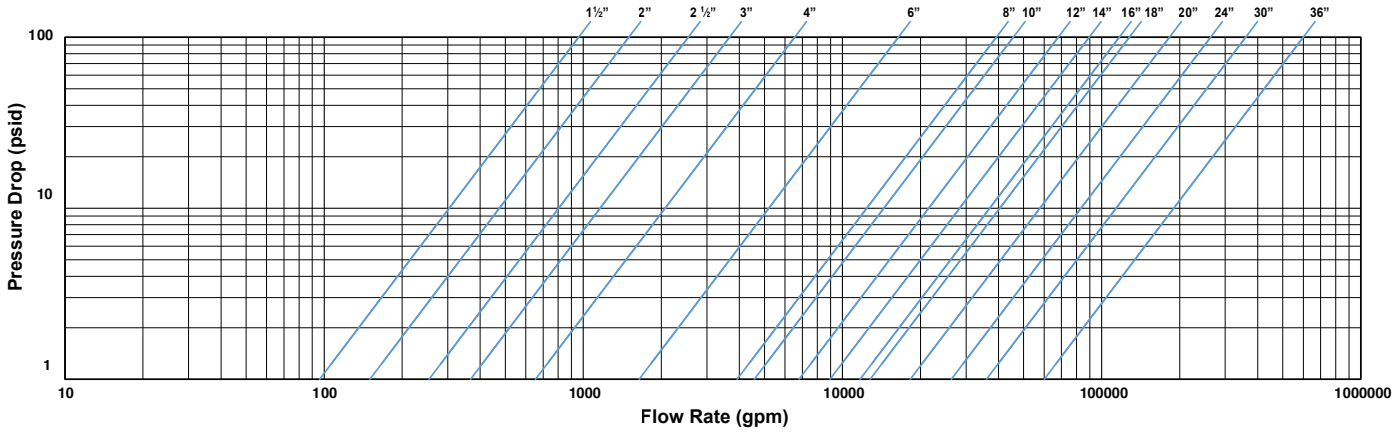
Strainer: 316 Stainless Steel; Ductile Iron, Epoxy Coated Frame

Strainer Mesh Sizes: Standard 10 mesh / 2000 Micron / Openings 0.078 inch
Optional 0.039 and 0.059 inch openings available

Drain/Blow-Off: Connection furnished with Standard Stainless Steel Plug

Cover Fasteners: Stainless Steel

Model X43H Flow Chart

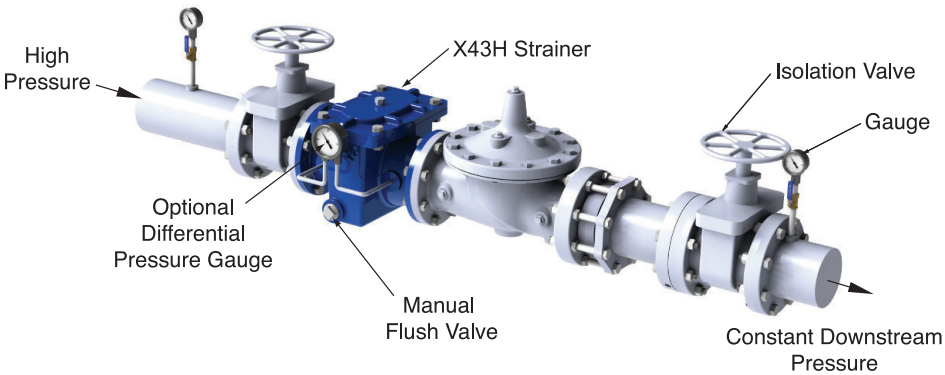


Functional Data

Strainer Size	Inches	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36	*48
	mm.	40	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900	1200
C_V	Gal./Min.(gpm.)	96	150	254	367	654	1644	3922	4566	6800	8949	11692	12796	18264	26302	35969	60010	CF
Cv0	Litres/Sec. (l/s.)	23	36	61	88	157	395	942	1097	1634	2150	2809	3075	4388	6320	8642	14419	CF
Equivalent Length of Pipe	Feet (ft.)	4	6	5	8	10	14	10	25	28	26	31	47	41	51	86	81	CF
	Meters (m.)	1.2	1.8	1.6	2.4	3.2	4.3	3	8	8	8	9	14	12	16	26	25	CF
K Factor		0.7	0.7	0.5	0.6	0.5	0.4	0.2	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.5	0.4	CF

C_V in gpm = gpm @ 1psid head loss • Cv in l/s = l/s @ 1bar head loss
*Consult factory to confirm flow data for 48-inch/1200mm strainer

Model X43H Typical Application



Strainer Options



X141DP Differential Pressure Gauge



Differential Pressure Switch

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