

Y-Type Strainers • Cast Iron

Model	CIY
Sizes	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4"
Connections	NPT, FLG
Body Material	Cast Iron



PRESSURE/TEMPERATURE RATINGS

NPT	250 PSIG @ 406°F - Steam
NPT	400 PSIG @ 150°F - WOG
125# FLG	125 PSIG @ 450°F - Steam
125# FLG	200 PSIG @ 150°F - WOG
250# FLG	250 PSIG @ 450°F - Steam
250# FLG	500 PSIG @ 150°F - WOG

Note: WOG = Water, Oil or Gas.

Typical Applications

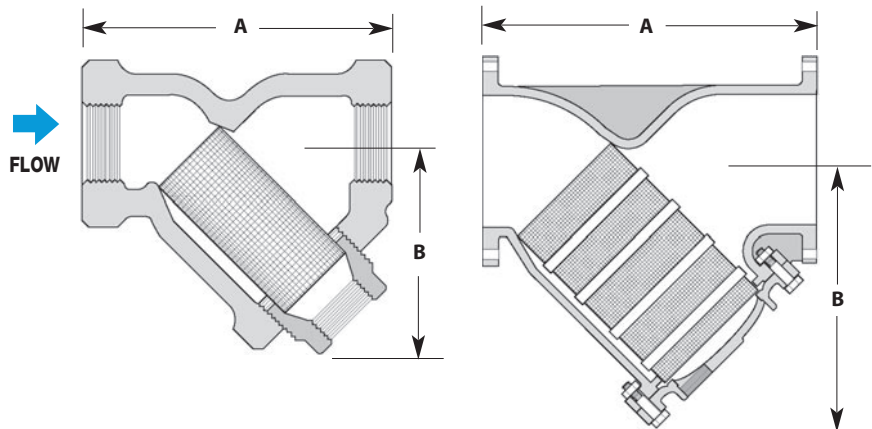
The CIY Y-Strainer is used to strain dirt particles from fluid in pipelines and provide inexpensive protection for costly pumps, meters, valves, traps, turbines and compressors.

Features

- Machined seat assures perfect fit for screen
- Blowdown connection and easily removable stainless steel cylindrical screens for easy maintenance
- Durable cast iron body

Installation

The strainer should be installed in the flow direction as indicated on the body in either a vertical down or horizontal pipeline. The strainer must be accessible for periodic cleaning.



DIMENSIONS & WEIGHTS – inches

Size/ Connection	Model Code	A	B	Blowdown NPT	Weight (lbs)	Screen Mesh
1/2" NPT	CIY-12-N-020	3 ³ / ₁₆	2 ¹ / ₁₆	1/4	1.5	20
3/4" NPT	CIY-13-N-020	3 ³ / ₄	2 ⁷ / ₁₆	3/8	2.5	20
1" NPT	CIY-14-N-020	4	2 ⁷ / ₁₆	3/8	3.5	20
1 1/4" NPT	CIY-15-N-020	5	3 ³ / ₈	3/4	6	20
1 1/2" NPT	CIY-16-N-020	5 ³ / ₄	3 ⁷ / ₈	3/4	9	20
2" NPT	CIY-17-N-020	7	4 ³ / ₄	1	14	20
2" 125# FLG	CIY-17-F125-045	7 ⁷ / ₈	6	1/2	20	45
2" 250# FLG	CIY-17-F250-045	9 ⁵ / ₈	6 ¹ / ₂	1/2	26	45
2 1/2" NPT	CIY-18-N-045	9 ¹ / ₄	5 ⁷ / ₈	1 1/2	26	45
2 1/2" 125# FLG	CIY-18-F125-045	10	8	1	33	45
2 1/2" 250# FLG	CIY-18-F250-045	10 ⁵ / ₈	7	1	45	45
3" NPT	CIY-19-N-045	10	6	1 1/2	32	45
3" 125# FLG	CIY-19-F125-045	10 ¹ / ₄	8 ³ / ₄	1	37	45
3" 250# FLG	CIY-19-F250-045	12	8	1	60	45
4" 125# FLG	CIY-20-F125-045	12 ¹ / ₈	9 ¹ / ₂	1 1/2	70	45
4" 250# FLG	CIY-20-F250-045	14 ¹ / ₂	10 ³ / ₄	1 1/2	94	45

MATERIALS

Body	Cast Iron, A126 CLASS B
Plug	Cast Iron, A126 CLASS B
Cover	Cast Iron, A126 CLASS B
*Screen	Stainless Steel
*Gasket	Grafoil
*Gasket (Flg Cover)	Garlock 3000