



# Temporary Strainer

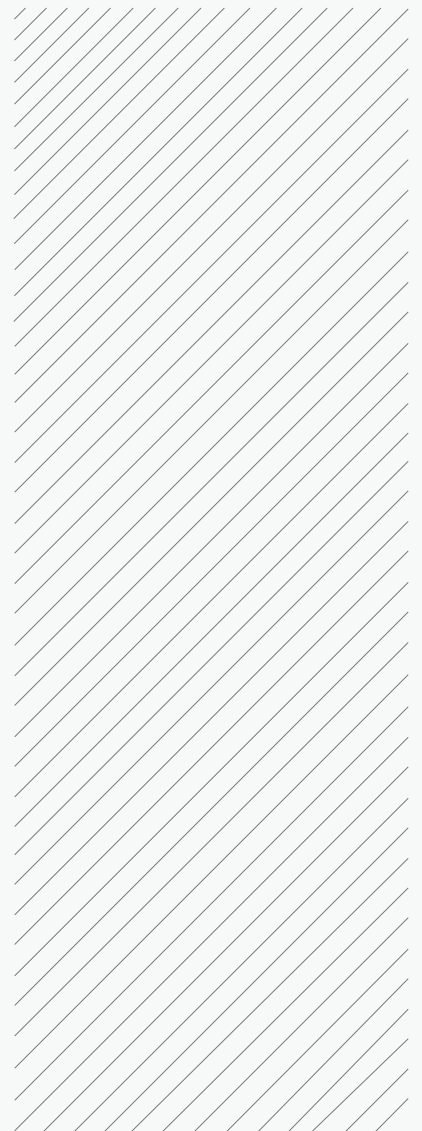
Weave Impossible to Possible



**BOEDON** Industech Limited

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# BOEDON Brochure

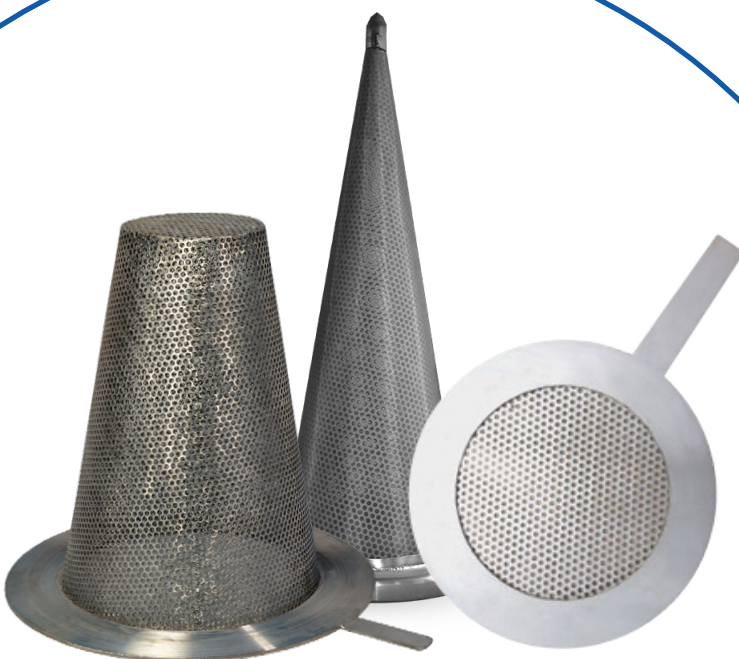


**We offer temporary strainers to effectively trap solid particles and protect the key components of your equipment.**

Temporary strainer is a filter element constructed of perforated metal or woven mesh and installed in pipes or pipeline systems. It is specially designed for initial start-up applications, aiming to catch debris in pipelines during start-up and protect pumps, instruments, control valves and other downstream equipment. As a result, it plays an role of stabilizing the filtration process and safeguarding the safe production. It is widely used in petroleum, chemical, pharmaceuticals, water treatment, etc.

Temporary strainers are divided into temporary cone strainers, temporary basket strainers and temporary plate strainers. We can the right temporary strainer for you according to your pipeline system and filtration requirements.

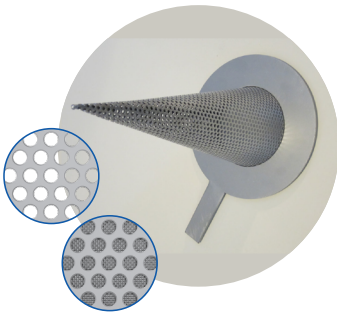
# Temporary Strainer



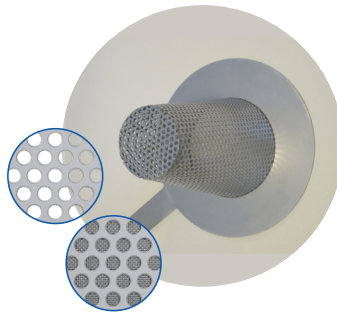
## TEMPORARY STRAINER

## Category

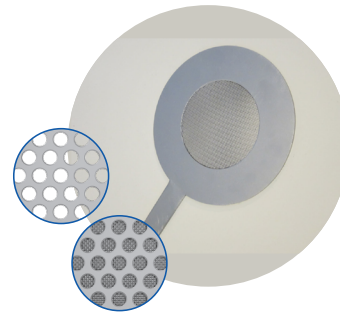
Temporary strainers are divided into temporary cone strainers, temporary basket strainers and temporary plate strainers by shape.



*Temporary cone strainer*



*Temporary basket strainer*



*Temporary plate strainer*

## TEMPORARY STRAINER

## Specification

**Material:** SS304, SS316, carbon steel and other alloys

**Standard perforation:** using 1/8" perforations on 3/16" center

**Standard wire mesh liner:** 10 mesh, 20 mesh, 30 mesh, 40 mesh, 60 mesh, 80 mesh, 100 mesh

**Handle size:** 4" length × 1" width

**Flange thickness:** 11 gauge

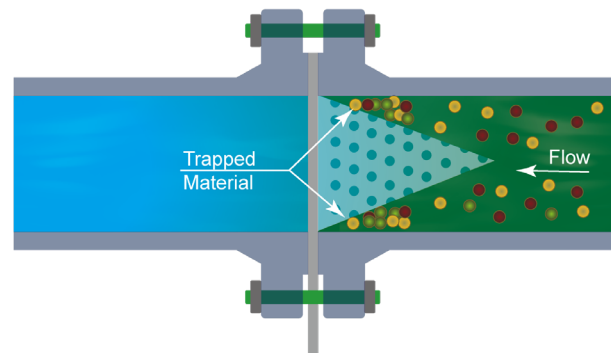
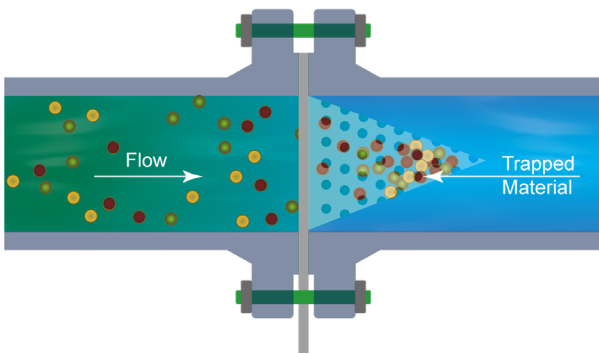
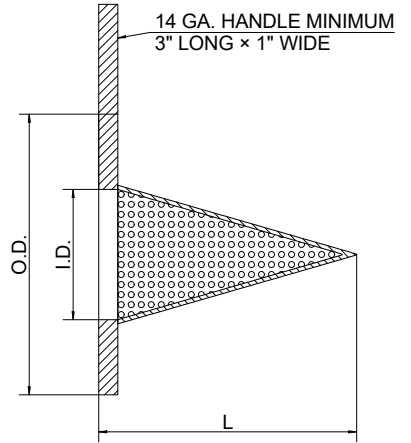
**End connection:** water flat faced, raised face, ring joint flanges

**Open area:** the available range in open area of strainer to cross section of pipe is 100% to 300%

TEMPORARY STRAINER

# Temporary Cone Strainer

It is the most common type temporary strainer. It is typically installed with the cone pointing upstream, and debris will tend to be collected at the strainer's paddle ring. This flow direction is more suitable for higher flow rates. If the cone points downstream, the debris will start to be collected in the center. Temporary cone strainer with a wire mesh liner can catch fine particles and the wire mesh is always placed towards the upstream, therefore, when ordering cone strainers, the expected flow direction must be told.



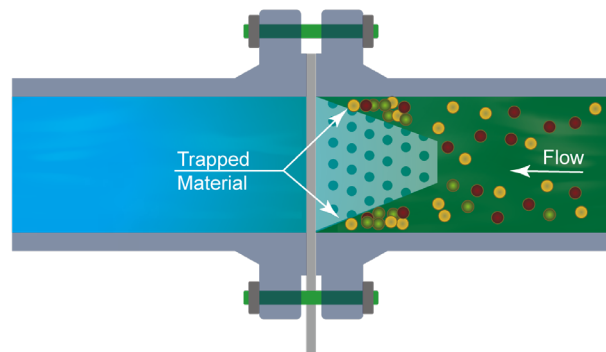
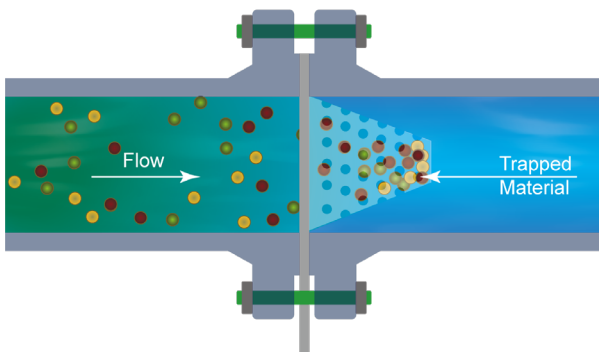
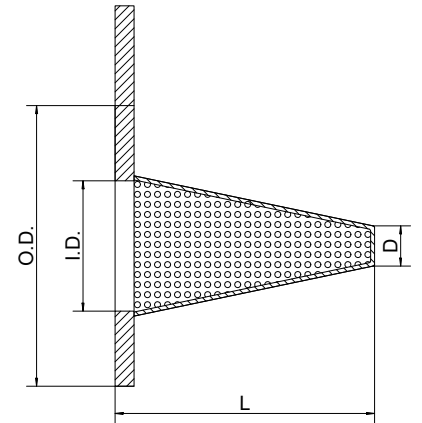
Model	Nominal Pipe Size	I.D. (inch)	150/300# ANSI (O.D.)	600# ANSI (O.D.)	900# ANSI (O.D.)	1500# ANSI (O.D.)	Standard Length (L)	L-150%	L-200%
BD-TCS-01	0.75	0.625	2.125	2.5	2.625	2.625	2.25	2.25	3
BD-TCS-02	1	0.75	2.5	2.75	3	3	2.625	2.75	3
BD-TCS-03	1.5	1.25	3.25	3.625	3.75	3.75	3.1875	4	5
BD-TCS-04	2	1.75	4	4.25	5.5	5.5	3.5	6	8
BD-TCS-05	2.5	2.25	4.75	5	6.375	6.375	4.0625	6.25	8
BD-TCS-06	3	2.75	5.25	5.75	6.5	6.75	4.25	6.75	9
BD-TCS-07	4	3.75	6.75	7.5	8	8.125	5	10	12
BD-TCS-08	5	4.625	7.625	9.375	9.625	9.875	6	12	14
BD-TCS-09	6	5.375	8.625	10.375	11.25	11	7	13	18
BD-TCS-10	8	7.375	10.875	12.5	14	13.75	8.1875	17	23
BD-TCS-11	10	9.375	13.25	15.625	17	17	12	22	28
BD-TCS-12	12	11	16	17.875	19.5	20.375	13	26	34
BD-TCS-13	14	12.25	17.625	19	20.375	22.625	15	27	36
BD-TCS-14	16	14	20.125	21.875	22.5	-	17	30	40
BD-TCS-15	18	15.75	21.25	23.75	25	-	19	35	46
BD-TCS-16	20	17.5	23.5	26.625	-	-	21	39	51
BD-TCS-17	24	21.25	27.875	30.875	-	-	25	45	61

Notes: the above dimensions are based on using 1/8" perforations on 3/16" center.

TEMPORARY STRAINER

# Temporary Basket Strainer

It is generally installed towards the down stream and debris will be collected at the flat part. Temporary basket strainer has a large volume and a large surface area than temporary cone strainer, so it has a slight higher pressure drop. If the wire mesh liner is placed outside the strainer, the strainer shall be installed towards the upstream.



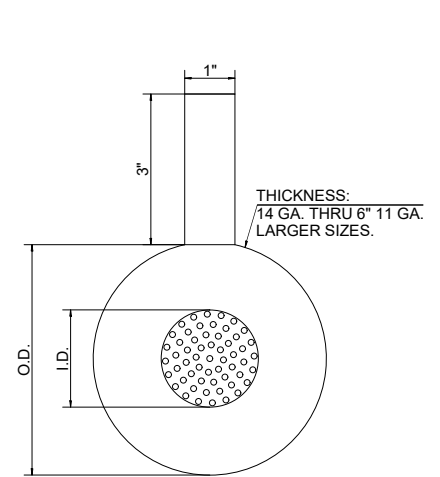
Model	Nominal Pipe Size	I.D. (inch)	150/300# ANSI (O.D.)	600# ANSI (O.D.)	900# ANSI (O.D.)	1500# ANSI (O.D.)	D	Standard Length (L)	L-150%	L-200%
BD-TBS-01	0.75	0.625	2.125	2.5	2.625	2.625	0.375	2	-	-
BD-TBS-02	1	0.75	2.5	2.75	3	3	0.5	2	-	-
BD-TBS-03	1.5	1.25	3.25	3.625	3.75	3.75	0.75	2.75	-	3
BD-TBS-04	2	1.75	4	4.25	5.5	5.5	1	3	-	4
BD-TBS-05	2.5	2.25	4.75	5	6.375	6.375	1.25	3.1875	-	4.5
BD-TBS-06	3	2.75	5.25	5.75	6.5	6.75	1.5	3.5	3.875	5.5
BD-TBS-07	4	3.75	6.75	7.5	8	8.125	2	4	5	7
BD-TBS-08	5	4.625	7.625	9.375	9.625	9.875	2.5	5	6.375	9
BD-TBS-09	6	5.375	8.625	10.375	11.25	11	3	6	7.75	11
BD-TBS-10	8	7.375	10.875	12.5	14	13.75	4	6.125	9.75	14
BD-TBS-11	10	9.375	13.25	15.625	17	17	5	7.5	12.375	18
BD-TBS-12	12	11	16	17.875	19.5	20.375	6	9	14.75	20
BD-TBS-13	14	12.25	17.375	19	20.375	22.625	7	10	15.875	21
BD-TBS-14	16	14	20.125	21.875	22.5	-	8	10	18.375	23
BD-TBS-15	18	15.75	21.25	23.75	25	-	9	12	20.875	27
BD-TBS-16	20	17.5	23.5	26.625	-	-	10	14	23.5	31
BD-TBS-17	24	21.25	27.875	30.875	-	-	12	16	28.375	37

Notes: the above dimensions are based on using 1/8" perforations on 3/16" center.

TEMPORARY STRAINER

# Temporary Plate Strainer

Compared with temporary cone & basket strainers, temporary plate strainer has a small surface area and produces a higher pressure drop. The temporary plate strainer installation shall follow the principle of placing the wire mesh liner towards the upstream to facilitate catching finer particles.



Model	Nominal Pipe Size	I.D. (inch)	150/300# ANSI (O.D.)	600# ANSI (O.D.)	900# ANSI (O.D.)	1500# ANSI (O.D.)
BD-TPS-01	0.75	0.75	2.125	2.5	2.625	2.625
BD-TPS-02	1	1	2.5	2.75	3	3
BD-TPS-03	1.5	1.5	3.25	3.625	3.75	3.75
BD-TPS-04	2	2	4	4.25	5.5	5.5
BD-TPS-05	2.5	2.5	4.75	5	6.375	6.375
BD-TPS-06	3	3	5.25	5.75	6.5	6.75
BD-TPS-07	4	4	6.75	7.5	8	8.125
BD-TPS-08	5	5	7.625	9.375	9.625	9.875
BD-TPS-09	6	6	8.625	10.375	11.25	11
BD-TPS-10	8	8	10.875	12.5	14	13.75
BD-TPS-11	10	10	13.25	15.625	17	17
BD-TPS-12	12	12	16	17.875	19.5	20.375
BD-TPS-13	14	13.25	17.375	19	20.375	22.625
BD-TPS-14	16	15.25	20.125	21.875	22.5	-
BD-TPS-15	18	17.25	21.25	23.75	25	-
BD-TPS-16	20	19.25	23.5	26.625	-	-
BD-TPS-17	24	23.25	27.875	30.875	-	-

**Notes:** the above dimensions are based on using 1/8" perforations on 3/16" center.

TEMPORARY STRAINER

# Benefits & Application

## Features

- Ensure high flow rate filtration
- Corrosion & rust resistance
- High temperature resistance
- Suitable for pipeline start-up applications
- Simple structure, easy to install and remove
- Reusable, low costs

## Application



### Chemical

- Corrosive substances
- Caustic soda, concentrated sulfuric acid, etc.



### Pharmaceutical

Medical supplies, etc.



### Food

- Beer, beverage
- Dairy products, grain pulp, etc.



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