

STRAINERS



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- ▶ *Tip Strainers*
- ▶ *Line Strainers*





TeeJet Strainers

Strainers protect spray tip orifices from clogging and damage. Stainless steel screens in 24, 50, 100 and 200 mesh. Polypropylene screens available in 25 and 50 mesh only.



TeeJet Strainer Number	Strainer Body & Cap Material	Mesh Screen Material
5053*	Brass	Stainless Steel
8079-PP*	Polypropylene	Stainless Steel
5053-AL*	Aluminum	Stainless Steel
6051-SS*	Stainless Steel	Stainless Steel
19845-PP*	Polypropylene	Polypropylene

*Specify mesh size when ordering.

TeeJet Slotted Strainers

One-piece strainers for use with liquids containing suspended solids.



TeeJet Strainer Number	Available Material	Equivalent to Mesh Size
4514-* -10	Brass or Nylon	50
4514-* -20	Brass, Aluminum or Nylon	25
4514-* -32	Brass, Aluminum or Nylon	16

*Above numbers for brass. For nylon add "NY". For aluminum add "AL".

TeeJet Strainers...with VisiFlo® color-coding

Nylon slotted and polypropylene wire mesh strainers are color-coded for easy identification of strainer mesh size.

Mesh Size	Color Code
16	GREY
24	WHITE
25	YELLOW
50	RED
80	BLUE
100	GREEN
200	ORANGE



4193A TeeJet Strainer and Check Valve

Minimizes nozzle dripping, fits all TeeJet nozzles. Ball check opens at 5 PSI (0.35 bar). Recommended for flow rates up to 0.8 GPM (3 l/min). 24, 50, 100 and 200 mesh screens.



Note: Use of these ball check valves results in a pressure drop of 5 to 10 PSI (0.35 to 0.7 bar) depending on spring rating.

Check Valve Number	Body and Cap Screw Material	Mesh Screen Material
4193A- * - *	Brass	Stainless Steel
4193A-AL- * - *	Aluminum	Stainless Steel
4193A-SS- * - *	Stainless Steel	Stainless Steel
4193A-PP- * - *	Polypropylene	Stainless Steel

*When ordering, specify spring rating and screen mesh size.

TeeJet® Line Strainers

The AA122 line strainer features a compact size that is well-suited for small agricultural and turf sprayers. The AA122 is constructed of polypropylene for excellent chemical resistance and is available in

1/2" or 3/4" (F) NPT connections. The maximum pressure rating is 150 PSI (10 bar).

AA122-PP Compact Liquid Strainer



Strainer Number	Pipe Connection	Screens			Net Weight oz.	Approx. Flow Rate with 5 PSI Pressure Drop in GPM	Pressure Rating (PSI)
		Mesh Size	Part Number	Full Area (sq. in.)			
AA122-1/2-PP	1/2"	16	CP23174-1-SSPP	7.7	3.5	12	150
		30	CP23174-2-SSPP				
		50	CP45102-3-SSPP				
AA122-3/4-PP	3/4"	80	CP45102-4-SSPP	7.7	3.5	16	150
		80	CP45102-4-SSPP				
		100	CP45102-5-SSPP				

Available in BSPT.



The AA122ML line strainer features a compact size that is well-suited for small agricultural and turf sprayers. The AA122ML is constructed of polypropylene head and bowl with stainless steel

screen for excellent chemical resistance and is available in 1/2" or 3/4" (F) NPT pipe connection. It also includes M6x1 metric thread mounting connections. Maximum pressure rating 150 PSI (10 bar).

AA122 ML Compact Liquid Strainer



Strainer Number	Pipe Conn.	Screens			Net Weight (oz.)	Approx. Flow Rate with 5 PSI Pressure Drop in GPM	Pressure Rating (PSI)
		Mesh Size	Part Number	Full Area (sq. in.)			
AA122ML-1/2-PP-*	1/2"	16	CP23174-1-304SS	7.7	3.5	12	150
		30	CP23174-2-304SS				
		50	CP45102-3-SSPP				
AA122ML-3/4-PP-*	3/4"	80	CP45102-4-SSPP	7.7	3.5	16	150
		100	CP45102-5-SSPP				

* = Mesh Size

Available in BSPT.

Strainer heads are available in polypropylene, nylon, aluminum and cast iron. Bowl materials include polypropylene or nylon. Each strainer includes stainless steel screen (with polypropylene frames on 3/4" to 1 1/2" sizes). Maximum temperatures up to 100°F.

Viton® o-ring seal supplied with 3/4" and 1" nylon models; EPDM supplied with 3/4" and 1" polypropylene models; Buna-N gaskets supplied with 1 1/4" and 1 1/2" sizes. Viton® optional.

AA124A-NYB (Nylon)



Strainer Number	Pipe Conn.	Screens			Net Weight (lbs.)	Approx. Flow Rate with 5 PSI Pressure Drop in GPM	Pressure Rating (PSI)
		Mesh Size	Part Number	Full Area (sq. in.)			
AA124A-3/4-AL-*	3/4"	16	CP16903-1-SSPP	17	1	23	150
AA124A-3/4-NYB-*		30	CP16903-3-SSPP		0.6		110
AA124A-3/4-PP-*		50	CP16903-4-SSPP		1		75
AA124A-1-AL-*	1"	80	CP16903-5-SSPP	17	0.6	34	150
AA124A-1-NYB-*							110
AA124A-1-PP-*							75

* = Mesh Size

Available in BSPT.

AA124-NYB (Nylon)



Strainer Number	Pipe Conn.	Screens			Net Weight (lbs.)	Approx. Flow Rate with 5 PSI Pressure Drop in GPM	Pressure Rating (PSI)	
		Mesh Size	Part Number	Full Area (sq. in.)				
AA124-1 1/4-AL-*	1 1/4"	16	CP15941-1-SSPP	41	2.5	60	150	
AA124-1 1/4-NYB-*		30	CP15941-2-SSPP		1.25		75	
AA124-1 1/2-AL-*		50	CP15941-3-SSPP		2.5		150	
AA124-1 1/2-NYB-*	1 1/2"	80	CP15941-4-SSPP	1.25	70	75		
AA124-2-AL-*	2"	16	CP14634-1-SS	91	7	160	150	
AA124-2-AL-*		30	CP14634-2-SS				170	150
AA124-2 1/2-AL-*		50	CP14634-3-SS					
	2 1/2"	80	CP14634-4-SS					

* = Mesh Size

Available in BSPT.

AA124ML-AL (with mounting holes)



Strainer Number	Pipe Conn.	Screens			Net Weight (lbs.)	Approx. Flow Rate with 5 PSI Pressure Drop in GPM	Pressure Rating (PSI)		
		Mesh Size	Part Number	Full Area (sq. in.)					
AA124ML-3/4-AL-*	3/4"	16	CP16903-1-SSPP	17	1	23	150		
		30	CP16903-3-SSPP						
		50	CP16903-4-SSPP						
AA124ML-1-AL-*	1"	80	CP16903-5-SSPP	17	1	34	150		
AA124ML-1 1/4-AL-*	1 1/4"	16	CP15941-1-SSPP	41	2.5	60	150		
	30	CP15941-2-SSPP							
	50	CP15941-3-SSPP							
AA124ML-1 1/2-AL-*	1 1/2"	80	CP15941-4-SSPP	1.25	70	75			
AA124ML-2-AL-*	2"	16	CP14634-1-SS	91	7	160	150		
		30	CP14634-2-SS					170	150
		50	CP14634-3-SS						
AA124ML-2 1/2-AL-*	2 1/2"	80	CP14634-4-SS						

* = Mesh Size

Available in BSPT.

How to order:

Specify strainer no., mesh size, material.
Example: AA124-1 1/4-NYB-16 Nylon

To order screen only, specify screen no.
Example: CP15941-1-SSPP



Flush-Out Strainer

37270-122-PP



The 37270-122-PP flush-out strainer features a compact size that is well suited for small agricultural and turf sprayers. The 37270-122-PP is constructed of polypropylene head and bowl with stainless steel screen for excellent chemical resistance and is available in 1/2" or 3/4" (F) NPT pipe connection. The particles collected on

the screen may be periodically flushed by opening a valve (valve not included) in flush-out line. Maximum pressure rating 150 PSI (10 bar).

How to order:

Specify strainer no., mesh size.
Example: 37270-122-1/2-NYB-16

Strainer Number	Pipe Conn.	Screens			Net Weight oz.	Approx. Flow Rate with 5 PSI Pressure Drop in GPM	Pressure Rating (PSI)
		Mesh Size	Part Number	Full Area (sq. in.)			
37270-122-1/2-PP-*	1/2"	16	CP23174-1-304SS	7.7	3.5	12	150
		30	CP23174-2-304SS				
37270-122-3/4-PP-*	3/4"	50	CP45102-3-SSPP				
		80	CP45102-4-SSPP				
		100	CP45102-5-SSPP				

* = Mesh Size

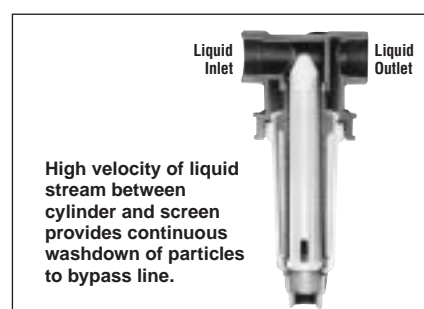
Available in BSPT.

Self-Cleaning Line Strainers

The TeeJet self-cleaning strainer extends your spraying time with a self-cleaning feature that minimizes clogging. Mounted on the discharge side of the pump, the strainer uses excess pump flow to bypass clogging particles back to the spray tank.

Available in 3/4", 1", 1 1/4" and 1 1/2" nylon and aluminum, as well as 3/4" and 1" polypropylene NPT or BSPT threads. All stainless steel strainer element. Strainers with mounting lugs are designated by "ML".

The tapered inner cylinder inside the entire length of the screen provides a gap between the screen face and the cylinder. This gap causes the inlet fluid to flow at a high velocity past the screen face providing for a continuous washdown of particles to the bypass line. In order for the washdown to occur, a minimum flow rate of 6 GPM/23 l/min (3/4" and 1" size) and 8 GPM/30 l/min (1 1/4" and 1 1/2" size) is required through the bypass line.



AA124A-SC-PP

(Polypropylene)

AA124A-SC-NYB

(Nylon)



Strainer Number	Pipe Conn.	Material		Screen Mesh	Screen Part Number	Size of Opening	Full Area (sq. in.)	Max. Pressure (PSI)	Minimum Bypass Required (GPM)
		Head	Bowl						
AA124A-3/4-SC-NYB-*	3/4"	Nylon	Nylon	16	CP12285-1-SS	1.2 mm	17	110	6
AA124A-3/4-SC-PP-*		Polypropylene	Polypropylene					75	
AA124A-3/4-SC-AL-*		Aluminum	Nylon					150	
AA124A-1-SC-NYB-*	1"	Nylon	Nylon	50	CP12285-2-SS	0.28 mm	17	110	6
AA124A-1-SC-PP-*		Polypropylene	Polypropylene					75	
AA124A-1-SC-AL-*		Aluminum	Nylon					150	
AA124-1 1/4-SC-NYB-*	1 1/4"	Nylon	Nylon	16	CP12290-1-SS	1.2 mm	41	75	8
AA124-1 1/4-SC-AL-*		Aluminum	Nylon					150	
AA124-1 1/2-SC-NYB-*		Nylon	Nylon					50	
AA124-1 1/2-SC-AL-*	1 1/2"	Aluminum	Nylon	80	CP12290-4-SS	0.18 mm	41	150	

* = Mesh Size

Available in BSPT.

AA124ML-SC-AL

(Aluminum)



Strainer Number	Pipe Conn.	Material		Screen Mesh	Screen Part Number	Size of Opening	Full Area (sq. in.)	Max. Pressure (PSI)	Minimum Bypass Required (GPM)
		Head	Bowl						
AA124ML-3/4-SC-AL-*	3/4"	Aluminum	Nylon	16	CP12285-1-SS	1.2 mm	17	150	6
AA124ML-1-SC-AL-*				30	CP12285-4-SS	0.56 mm			
				50	CP12285-2-SS	0.28 mm			
				80	CP12285-3-SS	0.18 mm			
AA124ML-1 1/4-SC-AL-*	1 1/4"	Aluminum	Nylon	16	CP12290-1-SS	1.2 mm	41	150	8
AA124ML-1 1/2-SC-AL-*				30	CP12290-2-SS	0.56 mm			
				50	CP12290-3-SS	0.28 mm			
	1 1/2"			80	CP12290-4-SS	0.18 mm			

* = Mesh Size

Available in BSPT.

How to order:

Specify strainer no., mesh size, material.
Example: AA124ML-1 1/4-SC-NYB-16 Nylon

To order screen only, specify screen no.
Example: CP12285-1-SS