

# SERIES VSTS IN PVC



**Sizes:** 6", 8", 10", 12" and 14"

**Pressure Ratings:** 100 PSI and full vacuum; see chart below for specific sizes/temperatures.

**Body and Cover:** Available with flange pipe connections.

**Basket Strainer Design:** All baskets have a wall thickness of 1/4" (6.4mm) with 1/4" diameter holes as standard. Optional 1/8" (3.2mm), 1/16" (1.6mm) and 1/32" (.8mm) holes are also available. For optional perforation sizes, please consult factory.

**Materials of Construction:** In all sizes the bodies, covers and baskets are Type 1, Grade 1 PVC (polyvinyl chloride) with fiberglass reinforced overwrap for added strength. O-ring cover seals are EPDM, Viton is optional. V-band clamp is stainless steel.

## Superior Features:

- Non-jamming and quick removal cover for ease of cleaning.
- High performance and competitive cost is a direct result of simple heavy-duty construction.
- Fiberglass wrapped for added strength and durability.
- Sturdy perforated baskets designed for ease of servicing and long-life.
- High flow capability.
- Optional Gauge Guard connections for measuring pressure drop across a clean versus a debris-filled basket. (1/2 NPT connecting port supplied standard). Gauge Guards also protect gauges from corrosion and clogging.

## OPERATING PRESSURES vs. TEMPERATURE

PVC Pipe Size	TEMPERATURE AND PRESSURES											
	75°F PSI	24°C BARS	100°F PSI	38°C BARS	120°F PSI	49°C BARS	140°F PSI	60°C BARS	160°F PSI	71°C BARS	180°F PSI	82°C BARS
6	100	6,80	60	4,08	40	2,72	20	1,36		N.R.		N.R.
8	75	5,10	45	3,06	30	2,04	15	1,02		N.R.		N.R.
10	75	5,10	45	3,06	30	2,04	15	1,02		N.R.		N.R.
12	50	3,40	30	2,04	20	1,36	10	0,68		N.R.		N.R.
14	50	3,40	30	2,04	20	1,36	10	0,68		N.R.		N.R.

NOTES: Full vacuum rating to maximum of 120°F (49°C) for PVC.

N.R. = Not Recommended

## BASKET SPECIFICATIONS

Descriptions	SIZES										
	6		8		10		12		14		
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
<b>Basket Diameter</b>	7 15/16	202	9 3/4	248	9 3/4	248	13	330	13	330	
<b>Basket Length</b>	29 13/16	757	36 1/2	927	41 7/8	1064	46	1168	52	1320	
<b>Hole Diameter</b>	a)	1/4	6.4	1/4	6.4	1/4	6.4	1/4	6.4	1/4	6.4
	b)	1/8	3.2	1/8	3.2	1/8	3.2	1/8	3.2	1/8	3.2
	c)	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6
	d)	1/32	.8	1/32	.8	1/32	.8	1/32	.8	1/32	.8
<b>Hole Centers</b>	a)	3/8	9.5	3/8	9.5	3/8	9.5	3/8	9.5	3/8	9.5
	b)	7/32	5.5	7/32	5.5	7/32	5.5	7/32	5.5	7/32	5.5
	c)	3/32	2.4	3/32	2.4	3/32	2.4	3/32	2.4	3/32	2.4
	d)	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6
<b>Basket Open Area</b>	a)	269 <sup>2</sup>	1736 <sup>2</sup>	449 <sup>2</sup>	2897 <sup>2</sup>	502 <sup>2</sup>	3289 <sup>2</sup>	764 <sup>2</sup>	4929 <sup>2</sup>	840 <sup>2</sup>	5420 <sup>2</sup>
	b)	192 <sup>2</sup>	1239 <sup>2</sup>	321 <sup>2</sup>	2071 <sup>2</sup>	358 <sup>2</sup>	2310 <sup>2</sup>	546 <sup>2</sup>	3523 <sup>2</sup>	600 <sup>2</sup>	3871 <sup>2</sup>
	c)	110 <sup>2</sup>	710 <sup>2</sup>	184 <sup>2</sup>	1187 <sup>2</sup>	206 <sup>2</sup>	1329 <sup>2</sup>	313 <sup>2</sup>	2019 <sup>2</sup>	396 <sup>2</sup>	2555 <sup>2</sup>
	d)	62 <sup>2</sup>	400 <sup>2</sup>	103 <sup>2</sup>	665 <sup>2</sup>	115 <sup>2</sup>	742 <sup>2</sup>	176 <sup>2</sup>	1336 <sup>2</sup>	193 <sup>2</sup>	1245 <sup>2</sup>
<b>Basket Capacity</b>	494 <sup>3</sup>	8097 <sup>3</sup>	916 <sup>3</sup>	15013 <sup>3</sup>	1033 <sup>3</sup>	16931 <sup>3</sup>	2193 <sup>3</sup>	35943 <sup>3</sup>	2906 <sup>3</sup>	47629 <sup>3</sup>	

\*Capacity is measured from bottom of basket to the bottom of baskets inlet port.

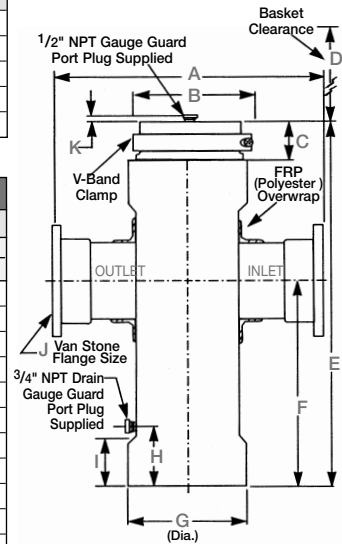
Consult factory for special dimensions.

## MODEL NUMBERS

Pipe Size	PVC
	FLANGED
6	VSTS0600EP-F-PV
8	VSTS0800EP-F-PV
10	VSTS1000EP-F-PV
12	VSTS1200EP-F-PV
14	VSTS1400EP-F-PV

## DIMENSIONS

	SIZES									
	6		8		10		12		14	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
<b>A</b>	25.0	635	32	813	35 1/2	902	36	914	38	965
<b>B</b>	12 1/4	310	14 1/4	361	14 1/4	361	17 1/2	438	17 1/2	438
<b>C</b>	2 3/4	70	2 3/4	70	2 3/4	70	2 3/4	70	2 3/4	70
<b>D</b>	29	736	35	889	41	1041	47	1194	53	1346
<b>E</b>	36	914	43	1092	49	1245	54	1372	60	1524
<b>F</b>	19 1/2	489	25	635	26 3/4	679	30	762	36	914
<b>G</b>	11 5/8	295	13 3/4	349	13 3/4	349	17 1/4	438	17 1/4	438
<b>H</b>	5 1/2	140	6 1/4	159	6 1/4	159	9	229	9	229
<b>I</b>	4 1/2	114	5	127	6	152	6	152	6	152
<b>J</b>	6	152	8	203	10	254	12	305	14	356
<b>K</b>	1/2	13	1/2	13	1/2	13	1/2	13	1/2	13



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