

# SERIES KST IN PVC AND CPVC



**Sizes:** 2", 3", and 4"

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

**Body and Cover:** Available with pipe connections of 2", 3" and 4" socket or flanged. Threaded connections are optional; consult factory.

**Basket Strainer Design:** All sizes have a 1/8" (3.2mm) wall thickness with 1/8" diameter holes as standard. For PVC (only) optional 1/16" (1.6mm) and 1/32" (.8mm) holes are also available.

**Materials of Construction:** PVC bodies, covers and baskets are Type 1, Grade 1 Geon PVC. For CPVC, ASTM-D1784 Corzan CPVC is used. O-ring cover seals are Viton; other seal materials available. External molded hand knobs are phenolic with brass threaded inserts.

## Superior Features:

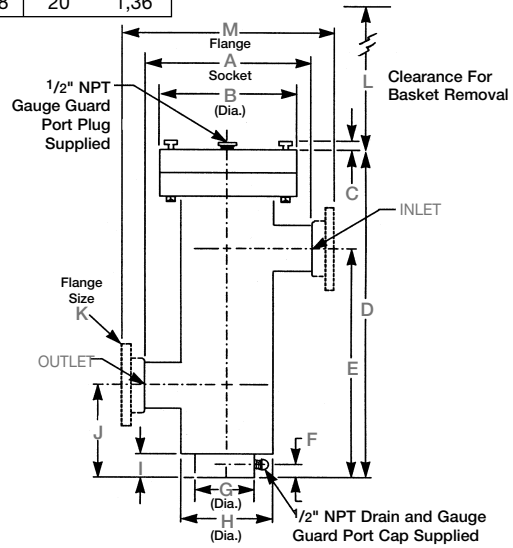
- Non-jamming and quick removal cover for ease of cleaning. No tools needed.
- High performance and low cost is a direct result of heavy-duty construction and simplicity of design
- Sturdy perforated baskets designed for ease of servicing and long-life.
- Large basket capacity for less frequent cleaning.
- High flow capability with 100 PSI pressure rating.
- Optional Gauge Guard connections for measuring pressure drop across a clean versus a debris-filled basket. Gauge Guards protect gauges from corrosion and clogging.

## OPERATING PRESSURES vs. TEMPERATURE

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	
PVC	2	100	6,80	60	4,08	40	2,72	20	1,36	N.R.		N.R.	
	3	100	6,80	60	4,08	40	2,72	20	1,36	N.R.		N.R.	
	4	100	6,80	60	4,08	40	2,72	20	1,36	N.R.		N.R.	
CPVC	2	100	6,80	80	5,44	65	4,42	50	3,40	35	2,38	20	1,36
	3	100	6,80	80	5,44	65	4,42	50	3,40	35	2,38	20	1,36
	4	100	6,80	80	5,44	65	4,42	50	3,40	35	2,38	20	1,36

## DIMENSIONS

	SIZES					
	2		3		4	
	In.	mm	In.	mm	In.	mm
A	8	203	9 1/4	235	11 1/2	292
B	7	178	7	178	9 1/4	234
C	1	25	1	25	1	25
D	17 1/8	435	20 1/2	521	28 7/16	722
E	12 3/4	324	15 1/2	394	21 7/16	545
F	15/8	41	13/4	44	17/8	48
G	4 1/2	114	4 1/2	114	6 5/8	168
H	5	127	5	127	7 1/4	184
I	2 1/2	64	3 1/2	89	3 7/16	87
J	6	152	7 1/2	191	9 7/16	240
K	2	51	3	76	4	102
L	11 1/2	292	18 1/2	470	22 1/4	565
M	11 7/16	290	13 7/8	352	16 5/8	422



## MODEL NUMBERS

PVC	SIZE			CPVC	SIZE		
	2	3	4		2	3	4
<b>Socket</b>	KST0200V-PV	KST0300V-PV	KST0400V-PV	<b>Socket</b>	KST0200V-CP	KST0300V-CP	KST0400V-CP
<b>Flanged</b>	KST0200V-F-PV	KST0300V-F-PV	KST0400V-F-PV	<b>Flanged</b>	KST0200V-F-CP	KST0300V-F-CP	KST0400V-F-CP
<b>Threaded</b>	KST0200V-T-PV	KST0300V-T-PV	KST0400V-T-PV	<b>Threaded</b>	N.A.	N.A.	N.A.

**NOTE:** Model Numbers shown are for basket strainers with standard 1/8" diameter holes. For optional 1/16" or 1/32" holes (only on PVC) add either "16" or "32" at end of Model Number (ex. to order a 2" PVC Basket Strainer with Flanged Ends and 1/16" diameter holes, the Model Number would be KST0200V-F-PV-16. N.A. = Not Available)

## BASKET DIMENSIONS\*

Description	SIZE						Description	SIZE					
	2		3		4			2		3		4	
	In.	mm	In.	mm	In.	mm		In.	cm	In.	cm	In.	cm
<b>Basket Diameter</b>	3 1/4	83	3 1/4	83	5 3/8	137	<b>Basket Open Area a)</b>	24 <sup>2</sup>	155 <sup>2</sup>	34 <sup>2</sup>	219 <sup>2</sup>	78 <sup>2</sup>	503 <sup>2</sup>
<b>Basket Length</b>	8	203	11 3/8	289	15 3/16	386	<b>b)</b>	10 <sup>2</sup>	65 <sup>2</sup>	14 <sup>2</sup>	90 <sup>2</sup>	31 <sup>2</sup>	200 <sup>2</sup>
<b>Hole Diameter a)</b>	1/8	3	1/8	3	1/8	3	<b>c)</b>	5 <sup>2</sup>	32 <sup>2</sup>	8 <sup>2</sup>	52 <sup>2</sup>	18 <sup>2</sup>	116 <sup>2</sup>
<b>b)</b>	1/16	1.6	1/16	1.6	1/16	1.6	<b>Basket Capacity</b>	55 <sup>3</sup>	901 <sup>3</sup>	79 <sup>3</sup>	1295 <sup>3</sup>	308 <sup>3</sup>	5048 <sup>3</sup>
<b>c)</b>	1/32	.8	1/32	.8	1/32	.8							
<b>Hole Centers a)</b>	7/32	5.5	7/32	5.5	7/32	5.5							
<b>b)</b>	3/32	2.4	3/32	2.4	3/32	2.4							
<b>c)</b>	1/16	1.6	1/16	1.6	1/16	1.6							

\*Consult Factory For Special Dimensions