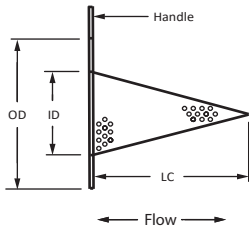


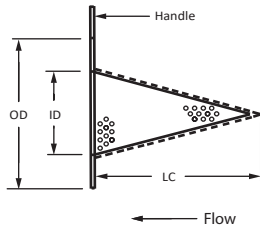


# WINSTON / ROYAL GUARD CORPORATION

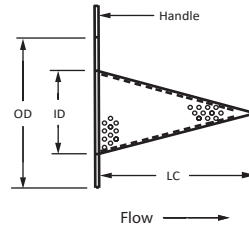
## Types 50-P & 51-P Heavy Duty Startup Strainers - Temporary Strainers



50-P perforated Cone Strainer



50-WOP wire cloth outside perforated



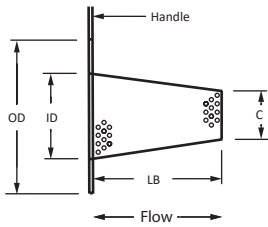
50-WIP wire cloth inside perforated



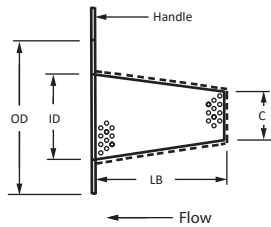
Type 50-P Cone Strainer



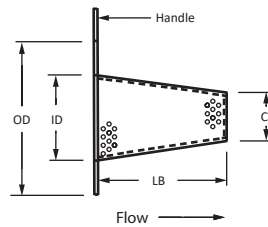
Type 51-P Basket Strainer



51-P perforated Basket Strainer



51-WOP wire cloth outside perforated



51-WIP wire cloth inside perforated



Type 51-RTJ



Type 51-S

### 50-P Cone (1/8" Diameter Holes on 3/16" Centers)

NOMINAL PIPE SIZE	LC 100% OPEN AREA	LC 150% OPEN AREA	LC 200% OPEN AREA	LC 300% OPEN AREA
3/4	1-1/2	2-1/2	3	4-1/2
1	2	2-1/2	3-1/2	5
1-1/4	2-1/2	3-1/2	4-1/2	6-1/2
1-1/2	2-1/2	3-1/2	4-1/2	6-1/2
2	3	4-1/2	6	8-1/2
2-1/2	3-1/2	5	7	10-1/2
3	4	6	8-1/2	12-1/2
4	5-1/2	8	11	16-1/2
5	6-1/2	10	13-1/2	20
6	7-1/2	12	16	24
8	10	15-1/2	21	32
10	12-1/2	19-1/2	26-1/2	39
12	15	23	31	46
14	16	25-1/2	34	51-1/2
16	18-1/2	29	39	59
18	21	32-1/2	44	66-1/2
20	23	36	49	74
24	27-1/2	43-1/2	58-1/2	88-1/2
30	35-1/2	55-1/2	74-1/2	113
36	42	66	89-1/2	135

### 51-P Basket (1/8" Diameter Holes on 3/16" Centers)

NOMINAL PIPE SIZE	C	LB 100% OPEN AREA	LB 150% OPEN AREA	LB 200% OPEN AREA	LB 300% OPEN AREA
3/4	1/2	1	1-1/2	1-1/2	2-1/2
1	3/4	1	1-1/2	2	2-1/2
1-1/4	7/8	1	2	2-1/2	3-1/2
1-1/2	1	1-1/2	2	3	4
2	1-3/8	1-1/2	2-1/2	3-1/2	5
2-1/2	1-5/8	2	3-1/2	4-1/2	6-1/2
3	2	3	4-1/2	5-1/2	7
4	2-3/4	3	4-1/2	6	9-1/2
5	3-3/8	3-1/2	5-1/2	7-1/2	11-1/2
6	4	4	6-1/2	9	13-1/2
8	5-3/8	5	8	11	17
10	6-3/4	6	10	14	21-1/2
12	8	7-1/2	12	16-1/2	25-1/2
14	8-7/8	7-1/2	12-1/2	17-1/2	27
16	10-1/4	9	14-1/2	20-1/2	31-1/2
18	12	10-1/2	17	23-1/2	36-1/2
20	13	11	18-1/2	25-1/2	39-1/2
24	16	13-1/2	22-1/2	31	48-1/2
30	20	15-1/2	26	36-1/2	57
36	24	18-1/2	31	43-1/2	68

Dimensions are in inches

Standard materials are Carbon Steel, 304 and 316 Stainless Steel, and are in stock for quick shipment.

Many common mesh and perforated sizes are also stocked. Most alloys are available.

Standard perforated plate is 1/8" diameter holes on 3/16" Staggered centers.

Standard paddle ring thickness is 1/8" with smooth finish. Beginning with size 18" the paddle ring is 3/16" thick with machined finish.

Standard mesh liner is 40 x 40 mesh with 0.0150" opening and 0.010" diameter wire.

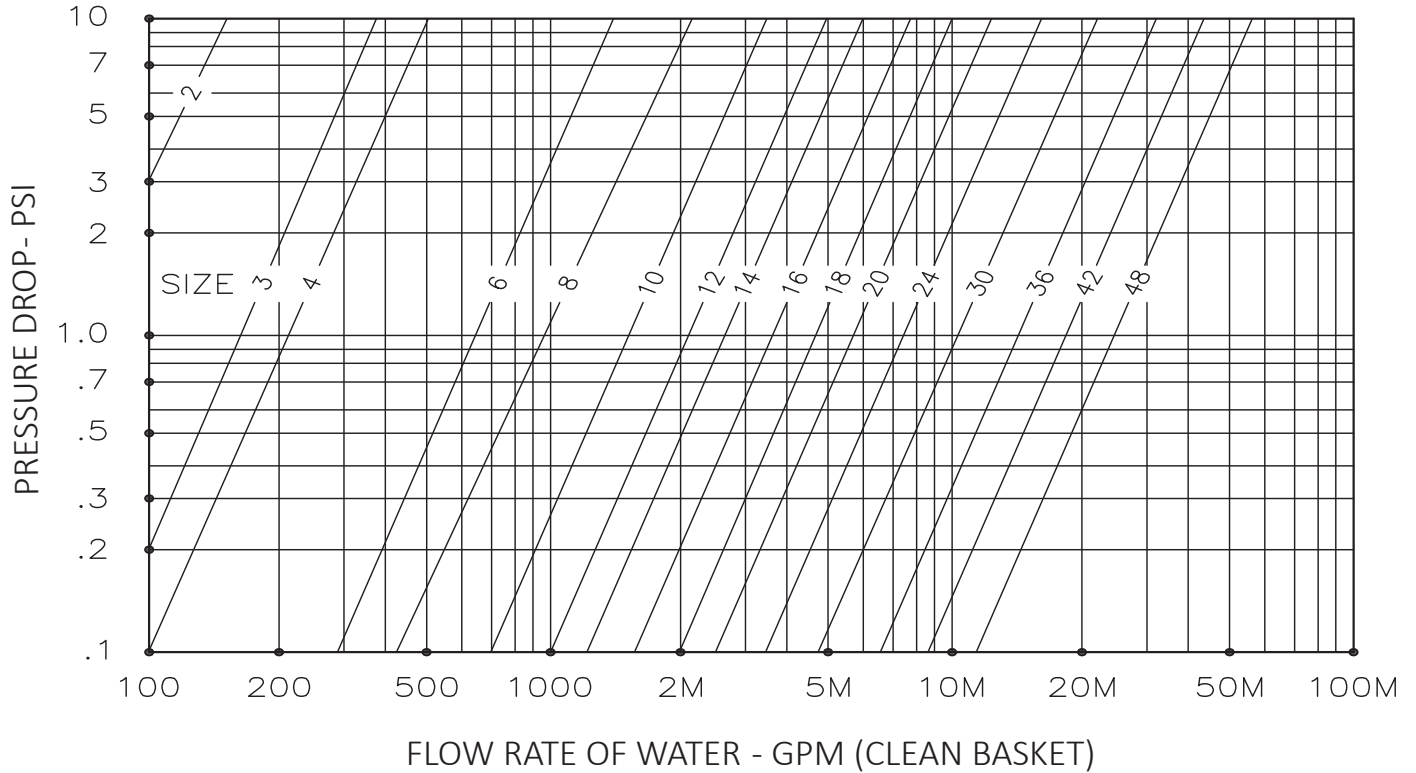
Note: Percent open area shown in chart is compared to cross sectional flow area pipe *without allowing for wire cloth.*



# WINSTON / ROYAL GUARD CORPORATION

## 50-P CONE STRAINER PRESSURE DROP CHARTS

### CLEAN PERFORATED BASKET WITH 1/8" DIAMETER HOLES



### CORRECTION FACTORS

FOR LIQUIDS MORE VISCOUS THAN WATER OR WHERE A WIRE LINER IS ADDED, MULTIPLY PRESSURE DROP IN CHARTS BY:

VISCOSITY (SSU)	PERFORATED 1/8" DIA. HOLES	PERFORATED WITH WIRE CLOTH		
		40 MESH	60 MESH	80 MESH
30	1.00	1.32	1.53	1.62
270	1.30	1.61	1.83	2.00
385	1.44	1.76	2.00	2.20
500	1.58	1.92	2.13	2.41
1000	1.66	2.22	2.41	2.63
2000	1.86	2.41	2.72	2.91

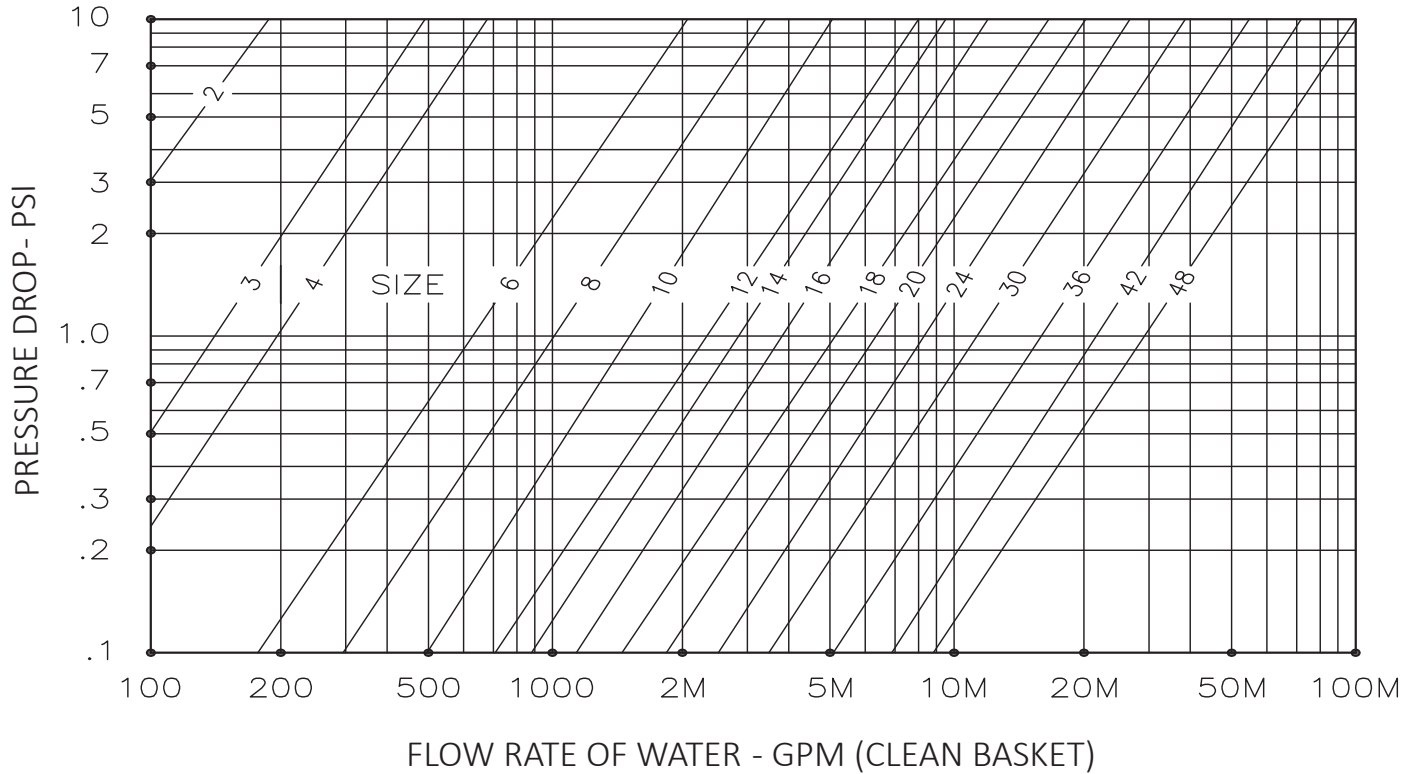
FOR WATER USE 30 SSU



# WINSTON / ROYAL GUARD CORPORATION

## 51-P BASKET STRAINER PRESSURE DROP CHART

### CLEAN PERFORATED BASKET WITH 1/8" DIAMETER HOLES



### CORRECTION FACTORS

FOR LIQUIDS MORE VISCOUS THAN WATER OR WHERE A WIRE LINER IS ADDED, MULTIPLY PRESSURE DROP IN CHARTS BY:

VISCOSITY (SSU)	PERFORATED 1/8" DIA. HOLES	PERFORATED WITH WIRE CLOTH		
		40 MESH	60 MESH	80 MESH
30	1.00	1.32	1.53	1.62
270	1.30	1.61	1.83	2.00
385	1.44	1.76	2.00	2.20
500	1.58	1.92	2.13	2.41
1000	1.66	2.22	2.41	2.63
2000	1.86	2.41	2.72	2.91

FOR WATER USE 30 SSU

Specifications are subject to change without notice. 7-23-2018 (Supersedes 12-20-2017)

### WINSTON / ROYAL GUARD CORPORATION

P. O. Box 1145 • White Oak, Texas 75693 USA

Phone (800) 527-8465 • (903) 757-7341 • Fax (903) 759-6986

Winston-RoyalGuard.com • e-mail: sales@winston-royalguard.com

Copyright © 2017 Winston/Royal Guard Corporation. All rights reserved