

GIANT® Bags

Pressure Drop Specifications —

GIANT® Bag Filter Pressure Drop Specifications

GIANT® Bag Pressure Drop (for KEYSTONE20" Bags @40gpm) vs Viscosity							
Viscosity	1M	5M	10M	25M	50M	100M	200M
1	0.1	0.1	0.1				
5	0.4	0.2	0.1	0.1	0.1		
10	0.7	0.3	0.2	0.1	0.1		
20	1.3	0.7	0.4	0.3	0.2	0.1	
30	2.1	0.9	0.6	0.3	0.3	0.1	0.1
40	2.8	1.1	0.8	0.5	0.3	0.1	0.1
60	3.2	1.7	1.1	0.6	0.5	0.2	0.2
80	3.9	2.1	1.5	0.9	0.6	0.3	0.3
100	5.5	2.8	1.9	1.1	0.9	0.4	0.3
200	10.7	5.5	3.7	2.2	1.7	0.8	0.6
400	19.3	10.0	6.3	3.9	3.5	1.6	1.0
600	24.0	13.3	8.7	4.8	4.5	2.4	1.3
1000		17.3	12.0	7.3	6.7	3.2	1.9
1500		20.7	13.3	8.7	8.0	4.2	2.1
2000			20.0	12.0	11.3	5.9	3.0
4000				16.0	14.7	6.7	4.2
6000				24.0	22.7	13.3	6.1
8000						18.7	9.3
10000						22.7	12.7

For 10" bags, multiply above numbers by 2 All numbers in above chart are psid

GIANT® Filter Housing Pressure Drop			
10" GIANT®		20" GIANT®	
GPM	PSI	GPM	PSI
5	0.6	5	0.4
10	0.4	10	0.6
15	1.2	15	0.9
20	1.8	20	1.5
25	2.5	25	2.4
30	3.5	30	3.4
35	4.7	35	4.7
40	5.9	40	6.1
		45	7.8

NOTE:
Calculate total system data by adding bag pressure drop numbers above to housing pressure drop numbers at left.