

FILTER MEDIA TYPICAL SPECIFICATIONS

May 2022

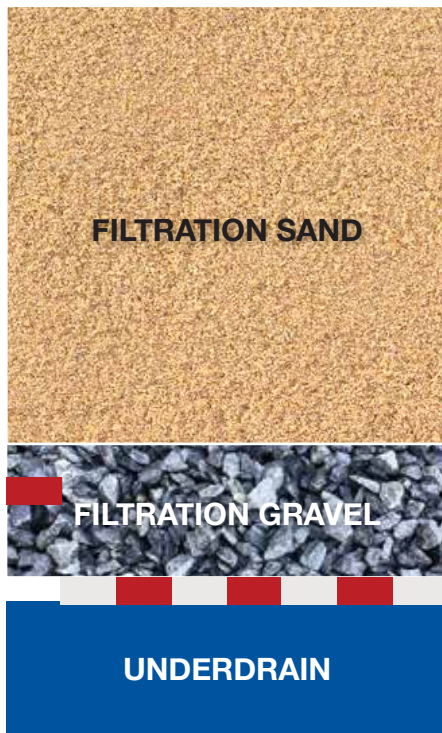
Specifying Procedure

When specifying filter media size, it is best to state the Effective Size and Uniformity Coefficient or the Nominal Size required. Only one system should be used. If in doubt, please contact our technical service team who will be pleased to assist in explaining the best method for specifying.

Effective Size (e.s.) - The sieve size opening that will allow 10 percent, by weight, of a representative sample for the filter material to pass.

Uniformity Coefficient (U.C.) - The ratio of the sieve size opening from which 60 percent of the sand, by weight, will pass divided by the sieve size opening from which 10 percent of the sand, by weight, will pass.

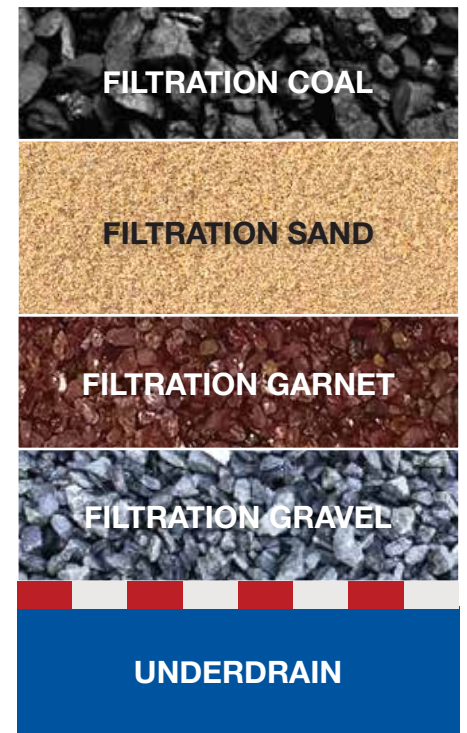
Typical Filtration Bed Profiles



▶ Mono-Media



▶ Dual-Media



▶ Mixed-Media

PRODUCT	W3 GRAVEL	W4 GRAVEL	W5 GRAVEL	#53(H) SAND	#6.5 SAND	7C SAND	W75 SAND	W7M SAND	W9 SAND
SIEVE SIZE (mm)	TYPICAL GRADING ANALYSIS TEST RESULTS PERCENT PASSING %								
26.5	100								
22.4	99								
20	91								
16	48								
13.2	12								
12.5	6	100							
11.2	1	95							
9.5		79							
8		53							
6.7		13	99						
6.3		7	98						
5.6		2	87						
4.75			44						
4			11						
3.35			3						
3.15			-	100					
2.8			1	93					
2.36				65					
2				36	100				
1.8				21	91				
1.7				-		100			
1.6				9		-			
1.4				4	54	96	100		
1.25					35	-			
1.18						85	100	100	
1					12	72	97	97	
0.85					5	44	83	85	
0.71					2	17	43	52	
0.6						7	13	23	
0.5						2	1	9	100
0.425								1	99
0.3								1	68
0.212									8
0.16									1
0.075									0
NORMAL SIZE (3mm)	12-25mm	6-12mm	3-6mm	1.5-3.0	0.8-1.8	Appx. 0.6-1.2	Appx. 0.6-1.2	Appx. 0.5-1.0	0.1-0.5
LIMITS (%)	+/- 8%	+/- 8%	+/- 8%	+/- 8%	+/- 8%		0.55-0.65		8% +/-
EFFECTIVE SIZE (mm)					Appx. 0.85-0.95	0.55-0.65	0.45-0.55		
UNIFORMITY CO-EFFICIENT					Appx. <1.5	≤1.5	≤1.35	≤1.5	
BULK DENSITY	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
SPECIFIC GRAVITY	2.60-2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
ACID SOLUBILITY 1:1 HCl SOLUTION	<0.5%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%