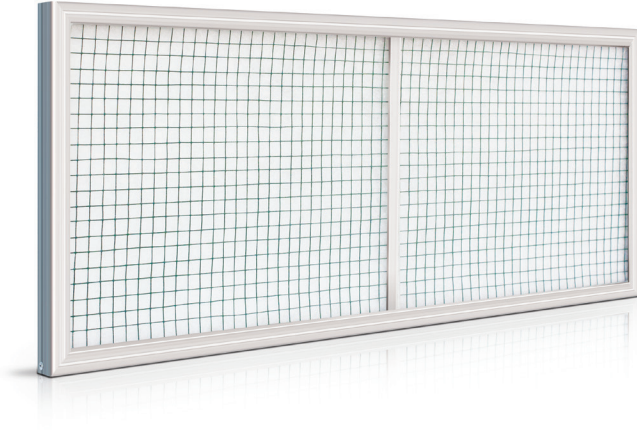


SHINKO POLYFLAT-SPFG



- General HVAC Applications
- Air conditioning systems
- All Kinds of Ventilation systems
- House hold applications
- Car ventilation
- Hospital / Cleanroom machines

SHINKO POLYFIBER FLAT filters are cleanable / washable panel filters made up of non-woven, high lofted synthetic (polyester) filter media and are available in various efficiency grades ranging from G2 to F6. SHINKO POLYFIBER FLAT filters offers very high dust Arrestance and dust holding capacity than the other types of similar grade panel filters .Ideal pre-filter which extends the life of the high efficiency filters and it is the right choice medium efficiency panel filter suitable for applications where secondary filters are not used. The SHINKO POLYFIBER filters are widely used in Fan Coil Units, Packaged units and AHUs for various HVAC applications. Special designs and versions are available for Paint booth applications also.

SHINKO POLYFIBER SPFG model filters are Flat type panel filters made up of G2/G3/G4 or F5 grade synthetic filter media. In this model, the filter media pad is encased in a metallic frame (galvanized steel or ALUMINIUM) ,bonded properly to ensure a leak free operation. A wire mesh having 98% open area is provided on the upstream and downstream which reinforces & supports the filter media. SPFG model filters are available in 12mm, 25mm & 50mm depths.

- Pre and Coarse Filtration Barrier to the air intake systems in general ventilation and air handling systems
- High Dust Holding capacity media
- Best for Low velocity applications & FCU/PU filters
- Low resistance
- UL Class and self-extinguishing according DIN 53438-F1
- 100% Synthetic Non-woven polyester media
- washable media
- Available in G2-F6 grades.
- Model SPRF-Filter with rod type construction without reinforcement



Construction Details

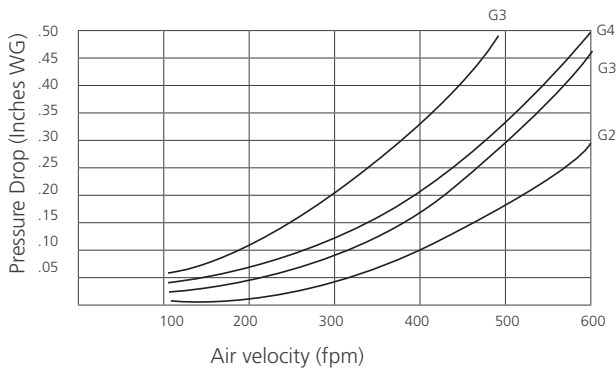
The High dust holding capacity non-woven synthetic polyester media reinforced with the PVC coated wire mesh for rigid construction assembled in flat construction and encased with metal frames. The multiple groove frames will enhance the rigidity of the filter. The Light weight construction filters are easy to install & easy to wash.

F5/F6 grade flat filters are also available for special applications to use as a final filter in HVAC applications. Standard depths: 12mm, 25mm & 50mm depths

SELECTION CHART

Filter Model	SPRF2	SPRF3	SPFG3	SPFG4	SPFG5	SPFG3
Depth (mm)	12	12	25	25	25	50
Grade(EN779)	G2	G3	G3	G4	F5	G3
Efficiency	<20%	<20%	25-30%	25-30%	25-30%	25-30%
Arrestance	74%	81%	91%	94%	95%	83%
Face velocity (fpm)	300/500	300/500	300/500	300/500	300	300
Initial resistance(inch.WG)	0.06/0.23	0.09/0.30	0.13/0.29	0.16/.36	0.06	0.24
Final resistance.(inch.WG)	1.0	0.60	1.0	1.0	1.8	0.8

Clean Air Resistance VS Velocity



SIZE SELECTION

