

# Clairo Pac - Synthetic Meltblown Pocket Filters

CLAIRO PAC medium to high efficiency extended surface bag filters are manufactured from a new generation range of inherently anti-microbial high lofted synthetic fiber filter media. CLAIRO PAC offers excellent filtration performance combined with high dust holding capacity and suitable for applications where highest degree of air cleanliness is required. CLAIRO PAC is capable of removing contaminants such as bacteria, fungi, fumes, smoke etc. from the air stream and it is an ideal bag filter for HVAC systems installed in Hospitals, Laboratories, Food processing & Pharmaceutical units, Computer rooms, Optical and Electronic facilities, Airports terminals, public buildings etc.

## Clairon Models

### Clairo Pac

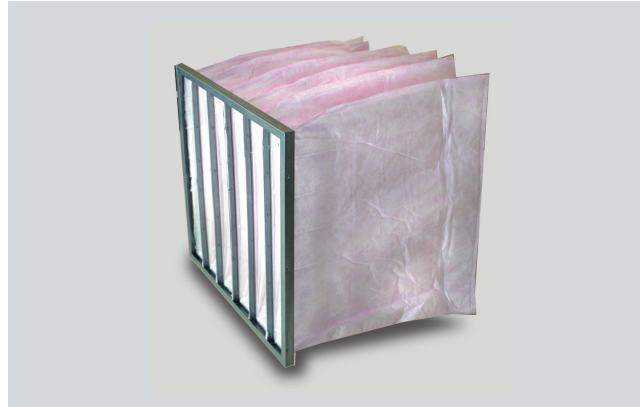
UL Listed Pocket Filter

Available in 20 and 25mm header

M5 to F9 efficiencies

Metal or Plastic Frame

Silicon Free



## Media Features and Technical Details

CLAIRO PAC utilizes a 100% synthetic filter media having high tensile strength developed through melt blown process. This media has an advantage of being heat sealed, thus avoiding any pin holes that are found in most conventional bag filters. The three stage media arrangement which consist of coarse fibers upstream, micro-fine fibers down stream and a scrim backing to prevent fiber migration, offers high dust holding capacity and filtration efficiency.

CLAIRO PAC provides extended surface filtration through media formed into individual dust holding pockets. These pockets are created by internal folds stitches or ultra soniq welding process with internal spacers to maintain uniform airflow channels for even dust loading and longer filter life. The perfectly balanced pocket design allows full media inflation without crowding or restricting airflow to ensure optimum media utilization and there by offering long service life. Each pocket is bonded and sealed to its own "J" channel support frame which is fastened to a heavy duty corrosion resistant steel frame with soft edges to avoid damage to the filter media. This design prevents air bypass by eliminating metal contact points between components. Filters are also offered in plastic frame construction.

## Selection Chart ▼

Nominal Size (mm)	No. of Pockets	Airflow (CMH)			Initial Resistance to air flow (Pa)															Media Area (Sq. M)
		L	M	H	95%/F9/MERV15			95%/F8/MERV14			85%/F7/MERV13			65%/F6/MERV11			45%/F5/MERV10			
					Model: CPS9			Model: CPS8			Model: CPS7			Model: CPS6			Model: CPS5			
		@ 2.5 m/s	@ 3.17 m/s	@ 3.81 m/s	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	
592 x 592 x 915	10	3400	4250	5100	85	140	171	71	117	142	56	91	117	38	51	81	-	-	-	12.08
592 x 592 x 762	10	3400	4000	4750	107	149	183	89	124	152	66	102	127	66	102	127	-	-	-	8.20
592 x 592 x 736	8	3000	3400	3750	116	122	165	97	102	137	71	76	122	71	76	122	-	-	-	6.94
592 x 592 x 660	12	3400	4000	4750	116	152	207	97	127	173	71	102	147	71	102	147	-	-	-	10.46
592 x 592 x 660	10	3000	3400	4000	107	128	158	89	107	132	71	86	122	71	86	122	28	33	51	7.11
592 x 890 x 660	10	4600	5100	3600	101	140	152	84	117	127	69	86	122	69	86	122	28	33	51	12.75
592 x 592 x 635	10	3000	3400	4000	110	134	165	91	112	137	66	91	127	66	91	127	30	36	56	8.38
592 x 592 x 635	8	2550	3400	4000	107	146	198	89	122	165	69	99	137	69	99	137	30	43	64	6.84
592 x 592 x 600	8	2400	3400	4000	107	152	207	89	127	173	71	112	147	71	112	147	30	48	71	6.56
592 x 592 x 600	6	2400	3000	3400	116	152	168	97	127	140	86	112	122	86	112	122	36	51	66	5.02
592 x 592 x 550	10	3000	3400	2250	122	137	183	102	114	152	76	97	132	76	97	132	33	46	66	7.38
592 x 592 x 550	7	2550	3000	3400	116	134	162	97	112	135	84	89	102	84	89	102	41	43	61	5.17
592 x 592 x 550	6	2550	3000	3400	134	146	171	112	122	142	89	102	112	89	102	112	43	46	64	4.60
592 x 592 x 534	8	2550	3000	3400	113	137	158	94	114	132	84	89	102	84	89	102	38	43	58	5.74
592 x 592 x 534	6	2550	3000	3400	137	152	177	114	127	147	94	112	127	94	112	127	46	51	69	4.39
592 x 592 x 510	10	2550	3400	3750	116	146	171	97	122	142	76	112	137	76	112	137	38	43	64	6.71
592 x 592 x 510	8	2550	3000	3400	122	146	165	102	122	137	91	102	114	91	102	114	41	46	61	5.47
592 x 592 x 510	6	2550	3000	3400	140	162	183	117	135	152	107	122	137	107	122	137	46	51	71	4.18
592 x 592 x 480	8	2550	3000	3400	140	162	183	117	135	152	104	119	137	104	119	137	43	58	66	5.20
592 x 592 x 457	8	2550	3000	3400	146	168	192	122	140	160	109	124	147	109	124	147	46	64	76	4.92
592 x 592 x 380	10	2300	2550	3400	110	140	171	91	117	142	76	107	137	76	107	137	48	64	76	5.03
592 x 592 x 380	8	2150	2550	3400	122	158	195	102	132	163	91	112	152	91	112	152	51	71	84	4.10
592 x 592 x 300	12	2150	2550	3400	128	146	183	107	122	152	91	117	163	91	117	163	51	66	81	4.83

Note : Other sizes having filter face size 490 x 592mm operates at 80% airvolume and filter face 287 x 592mm operates at 50% of the air volume of 592 x 592mm. Pressure drop remains the same.

- Recommended Final Resistance : 250 Pa
- Maximum Pressure Drop - 450 Pa
- Maximum Operating Temperature / Humidity - 80 ° C / 100%

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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