

The Pulsa Jet range of Multi Breather Filter units are manufactured in a panel form, from heavy gauge galvanized sheet steel, complete with a galvanized steel beam self-supporting structure. They can be supplied in long or short leg versions, depending on the waste disposal requirements.

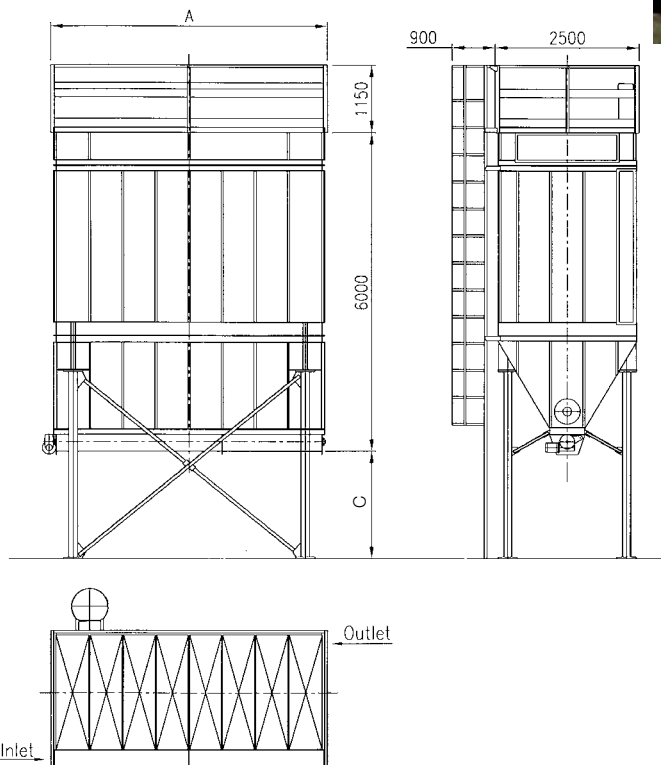
Pulsa Jet Multi Breather filters are produced in a range of filter sizes from 139 sq. mtrs. up to 930 sq. mtrs. and with air handling volumes up to 180,000 cu. mtr. hr. and are suitable for most types of dusts.

The dust laden air enters a pre-separation chamber, where the large heavier particles fall into the automatic screw feeding waste discharge section. The fine dust residue being filtered via the filter elements and clean filtered air being exhausted from the top of the filter unit.

The automatic cleaning of the filter elements is by means of Counter Wash compressed air jets that are controlled by an Electronic Economiser System. This system optimizes blowing times and intervals according to a pre determined

pressure drop of the filter elements, which is dependant on type of dusts being extracted. Therefore ensuring that the filters are constantly maintained in optimum condition, with minimal pressure and air volume losses. This ensures a long filter element life and greatly reduces maintenance costs.

By using the Electronic Economiser Filter cleaning system this enables the Multi Breather Filter unit to operate on a continuous 24 hour running basis without shutting down, if required.



Standard and Extended leg cyclo filter cleaned by compressed air

Model	Specification		A mm	Filter Surface m ²
	Standard Leg GC C mm	Extended Leg GL C mm		
FMPJ 99	850	2000	1910	139
FMPJ 132	850	2000	2510	186
FMPJ 165	850	2000	3110	234
FMPJ 198	850	2000	3710	279
FMPJ 231	850	2000	4310	323
FMPJ 264	850	2000	4910	372
FMPJ 297	850	2000	5510	418
FMPJ 330	850	2000	6110	465
FMPJ 363	850	2000	6710	511
FMPJ 396	850	2000	7310	558
FMPJ 429	850	2000	7910	604
FMPJ 462	850	2000	8510	651
FMPJ 495	850	2000	9110	697
FMPJ 528	850	2000	9710	744
FMPJ 561	850	2000	10310	790
FMPJ 594	850	2000	10910	837
FMPJ 627	850	2000	11510	883
FMPJ 660	850	2000	12110	930

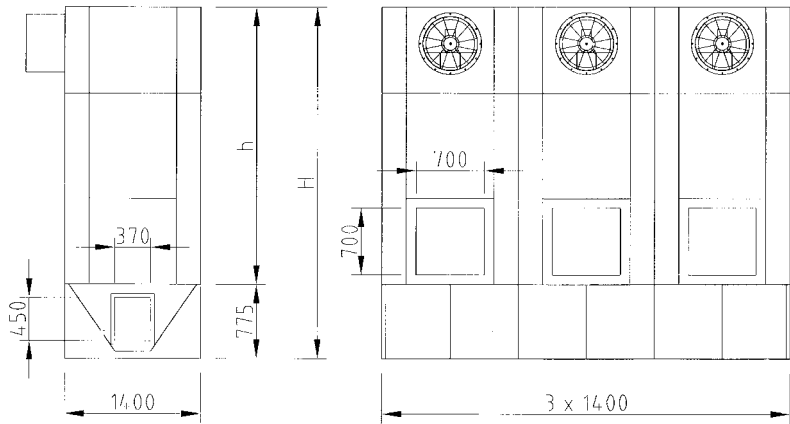
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Blow Through Filter Range

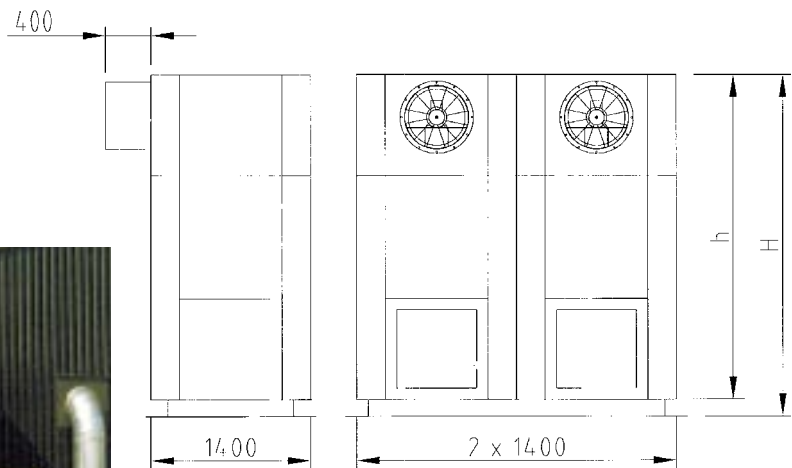
Totally enclosed blow through, bulk handling, multi breather filter units, working in conjunction with Fercell belt drive paddle blade fan sets.

Specification						
Model	h mm	H mm	Width mm	No of Re-Gen Fans	Filter Area m ²	Weight Kg
FEL/2L/S/ER	2000	2775	1400	2	51	591
FEL/2L/S/EXR	2900	3675	1400	2	79	794
FEL/3L/S/ER	2000	2775	1400	3	76.5	835
FEL/3L/S/EXR	2900	3675	1400	3	118	1154



Silo Filter Range

Silo pressure filter model FEL/2SL/S/EXR, mounted on roof of waste storage building, working in conjunction with a Fercell belt drive paddle blade fan set.



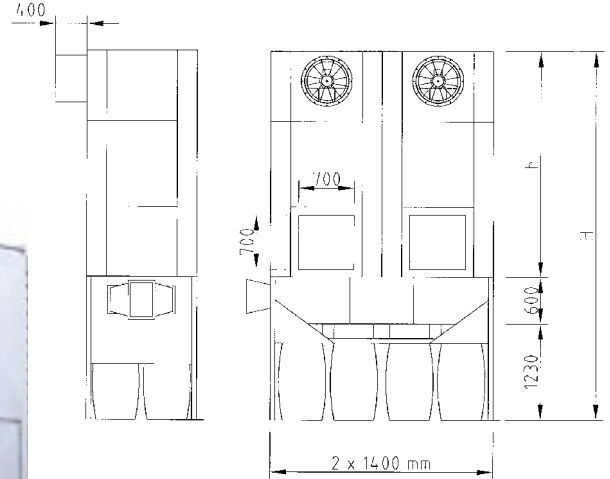
Specification						
Model	h mm	H mm	Width mm	No of Re-Gen Fans	Filter Area m ²	Weight Kg
FEL/1SL/S/ER	2000	2150	1400	1	25.5	259
FEL/1SL/S/EXR	2900	3050	1400	1	39.5	375
FEL/2SL/S/ER	2000	2150	1400	2	51	518
FEL/2SL/S/EXR	2900	3050	1400	2	79	736

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Bag Emptying Filter Range

Enclosed multi breather bagging filter unit, model FEL/3BG/S/ER with automatic regeneration filter cleaning system in conjunction with a Fercell belt driven paddle blade fan set, mounted within an acoustic housing.



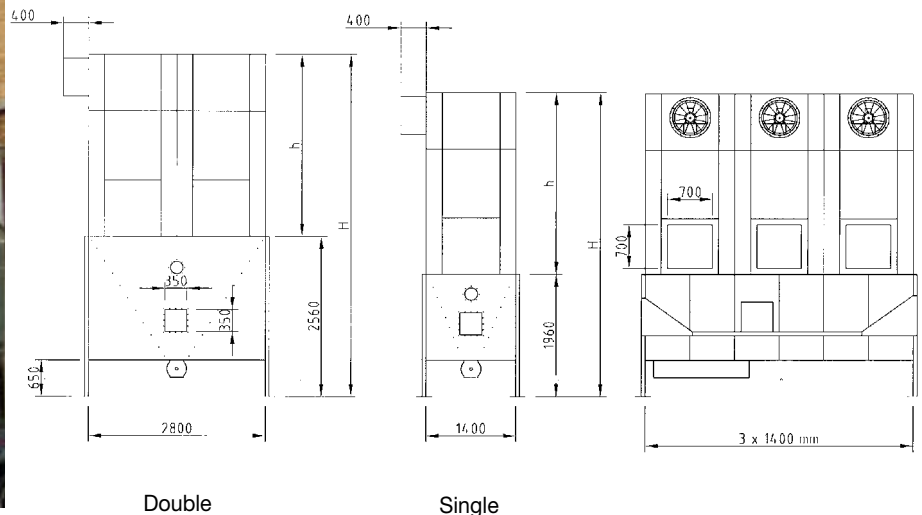
Specification						
Model	h mm	H mm	Width mm	No of Re-Gen Fans	Filter Area m ²	Weight Kg
FEL/1BG/S/ER	2000	3830	1400	1	25.5	650
FEL/1BG/S/EXR	2900	4730	1400	1	39.5	752
FEL/2BG/S/ER	2000	3830	1400	2	51	1026
FEL/2BG/S/EXR	2900	4730	1400	2	79	1185
FEL/3BG/S/ER	2000	3830	1400	3	76.5	1488
FEL/3BG/S/EXR	2900	4730	1400	3	118	1807

Rotor Filter Range



Totally enclosed bulk handling, multi breather filter unit, model FEL/2RV/S/EXR with automatic regeneration filter cleaning system, in conjunction with a Fercell belt driven paddle blade fan set, with the extracted waste materials being automatically discharged at a negative pressure into a waste collection skip.

Specification						
Model	h mm	H mm	Width mm	No of Re-Gen Fans	Filter Area m ²	Weight Kg
FEL/1RV/S/ER	2000	3960	1400	1	25.5	550
FEL/1RV/S/EXR	2900	4860	1400	1	39.5	652
FEL/2RV/S/ER	2000	3960	1400	2	51	953
FEL/2RV/D/ER	2000	4560	2800	2	102	1098
FEL/2RV/S/EXR	2900	4860	1400	2	79	1055
FEL/2RV/D/EXR	2900	5460	2800	2	156	1405
FEL/3RV/S/ER	2000	3960	1400	3	76.5	1270
FEL/3RV/D/EX	2000	4560	2800	3	153	1575
FEL/3RV/S/EXR	2900	3960	1400	3	118	1415
FEL/3RV/D/EXR	2900	5460	2800	3	235	1880



Double

Single

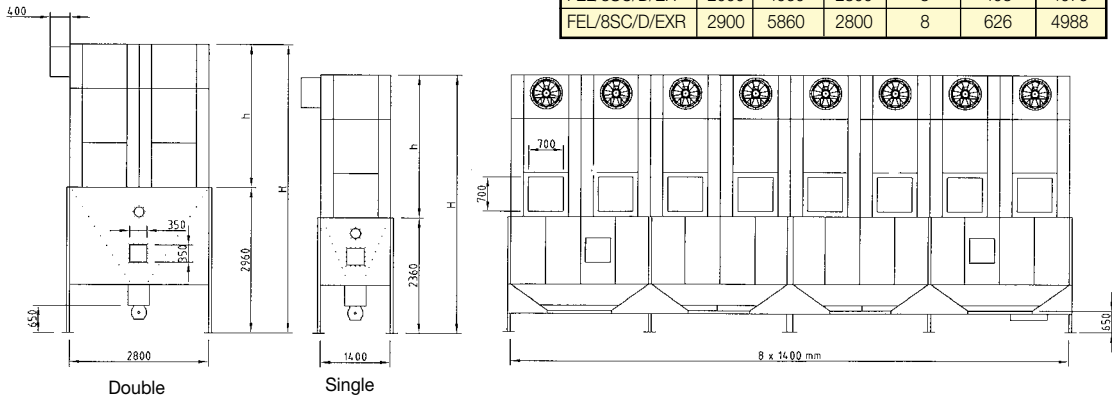
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Screw Feed Filter Range



Specification						
Model	h mm	H mm	Width mm	No of Re-Gen Fans	Filter Area m ²	Weight Kg
FEL/3SC/S/ER	2000	4360	1400	3	76.5	1525
FEL/3SC/S/EXR	2900	5260	1400	3	118	1873
FEL/4SC/S/ER	2000	4360	1400	4	102	1970
FEL/4SC/S/EXR	2900	5260	1400	4	156	2450
FEL/4SC/D/ER	2000	4960	2800	4	176	2290
FEL/4SC/D/EXR	2900	5860	2800	4	313	2798
FEL/5SC/S/ER	2000	4360	1400	5	127	2432
FEL/5SC/S/EXR	2900	5260	1400	5	196	2940
FEL/5SC/D/ER	2000	4960	2800	5	255	2710
FEL/5SC/D/EXR	2900	5860	2800	5	391	3316
FEL/6SC/S/ER	2000	4360	1400	6	153	2805
FEL/6SC/S/EXR	2900	5260	1400	6	235	3430
FEL/6SC/D/ER	2000	4960	2800	6	306	3125
FEL/6SC/D/EXR	2900	5860	2800	6	469	3806
FEL/7SC/S/ER	2000	4360	1400	7	188.5	3310
FEL/7SC/S/EXR	2900	5260	1400	7	274	4035
FEL/7SC/D/ER	2000	4960	2800	7	357	3540
FEL/7SC/D/EXR	2900	5860	2800	7	548	4353
FEL/8SC/S/ER	2000	4360	1400	8	204	3668
FEL/8SC/S/EXR	2900	5260	1400	8	313	4524
FEL/8SC/D/ER	2000	4960	2800	8	408	4075
FEL/8SC/D/EXR	2900	5860	2800	8	626	4988

Totally enclosed bulk handling multi breather screw filter unit, model FEL/4SC/D/EXR with automatic regeneration filter cleaning fans, waste screw feed conveyor, bulk handling rotor valve and 75/K, 75 kW paddle blade fan set. The extracted waste is automatically transported to a waste storage silo and waste burning heating system.

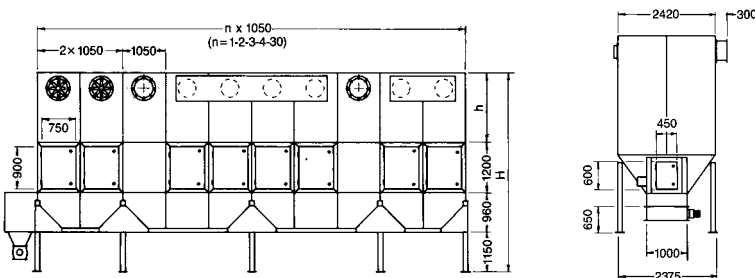


Chain Feed Filter Range



A 30 metre long totally enclosed chain filter with re-gen filter cleaning fans and six 75K paddle blade fan sets with extracted waste being automatically conveyed to waste storage silo and waste burning heating system.

Specification						
Model	h mm	H mm	Width mm	No of Re-Gen Fans	Filter Area m ²	Weight Kg
FEL/3DF/1L/ER	1650	4960	2420	3	147	1220
FEL/3DF/1L/EXR	2100	5410	2420	3	174	1240
FEL/4DF/1L/ER	1650	4960	2420	4	196	1565
FEL/4DF/1L/EXR	2100	5410	2420	4	232	1590
FEL/5DF/1L/ER	1650	4960	2420	5	245	1910
FEL/5DF/1L/EXR	2100	5410	2420	5	290	1940
FEL/6DF/1L/ER	1650	4960	2420	6	294	2255
FEL/6DF/1L/EXR	2100	5410	2420	6	348	2290
FEL/7DF/2L/ER	1650	4960	2420	7	343	2785
FEL/7DF/2L/EXR	2100	5410	2420	7	406	2830
FEL/8DF/2L/ER	1650	4960	2420	8	392	3130
FEL/8DF/2L/EXR	2100	5410	2420	8	464	3177
FEL/9DF/2L/ER	1650	4960	2420	9	441	3475
FEL/9DF/2L/EXR	2100	5410	2420	9	522	3530
FEL/10DF/2L/ER	1650	4960	2420	10	490	4160
FEL/10DF/2L/EXR	2100	5410	2420	10	580	4225



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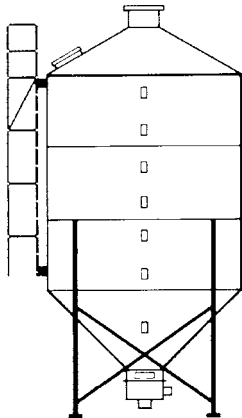


Silos and Hoppers

The silos and hoppers are designed to give safe storage of sawdust, woodchips and paper/cardboard shreadings. Silos and hoppers are available in 6 sizes.

The Mini Hopper and Midi Hopper are ideal for the T1/5C and T3/AC.

Hoppers come supplied as standard with their own discharge mechanisms and can also be used on the larger units as intermediate storage where they can be filled automatically from a central silo.



7 cubic metre



7 cubic metre

Specification						
	Mini Hopper	Midi Hopper	7 cu.m. Silo	13 cu.m. Silo	20 cu.m. Silo	35 cu.m. Silo
Height Overall	1.390m	2.320m	4.524m	4.928m	5.740m	7.023m
Diameter	1.000m	1.500m	2.057m	2.565m	2.870m	3.353m
Height of Base	390mm	820mm	640mm	640mm	640mm	640mm
Volume/cu.m.	0.785	2.65	7.426	14.540	20.710	35.290
Agitator Speed	2 rpm	2 rpm	2.86 rpm	2.86 rpm	2.89 rpm	2.89 rpm
Power Consumption	0.55 kW	0.55 kW	0.55 kW	0.55 kW	1.1 kW	1.1 kW
Discharge Outlet	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m

Discharge Mechanism

The larger silos are supplied complete with ladders, safety rails, access hatches and a discharge mechanism as standard.

The discharge mechanism (which also includes an agitator) can be purchased separately when you have your own silo or wish to obtain your own silo.

The PM40 is for silo diameters up to 2.5 metres.

The PM50 is for silo diameters above 2.5 metres up to 4 metres

The PM60 is for silo diameters above 4 metres up to 6 metres

Silos and hoppers are designed to be flexible and any of the automatic models can be matched to the relevant silo or hopper.



Specification			
	PM40 Discharge	PM50 Discharge	PM60 Discharge
Power Consumption	0.55 kW	1.1 kW	2 kW
Agitator Speed	2.86 rpm	2.89 rpm	1.89 rpm
Cone Base Diameter	670mm	770mm	1000mm
Output Torque	763Nm	1,487Nm	2,483Nm
Drive Shaft Diameter	0.060m	0.070m	90mm

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