Lossnay Filtration Range

The Mitsubishi Electric Lossnay Fresh Air Heat Recovery Ventilation range offers a wide range of filtration options, which are classified as good, better and best, to help match varying application requirements.

Below is a brief summary on the different levels of filtration each filter option can provide.

Good – Standard Filters

Standard filters such as G3/G4 grade are capable of filtering out coarse dust particles that are up to 60% of size 10 microns, or larger particles such as cement dust (fly ash), insects, sand, pollen, hair particles and asbestos.

Maintenance cycle – Can be washed to clean and reuse every 6 months. Filter replacement is recommended every 2 years.

Better – Medium Grade

A medium grade filter such as the G4/M6 offers slightly finer filtration of dust particles ranging from size 1 micron to 10 micron. This filter can efficiently filter out up to 99.99% of 10-micron particles and up to 65% of 1-micron particles such as sand, pollen, bacteria, fly ash, construction dust, mould spores, rodent extracts, asbestos, viruses and pathogens.
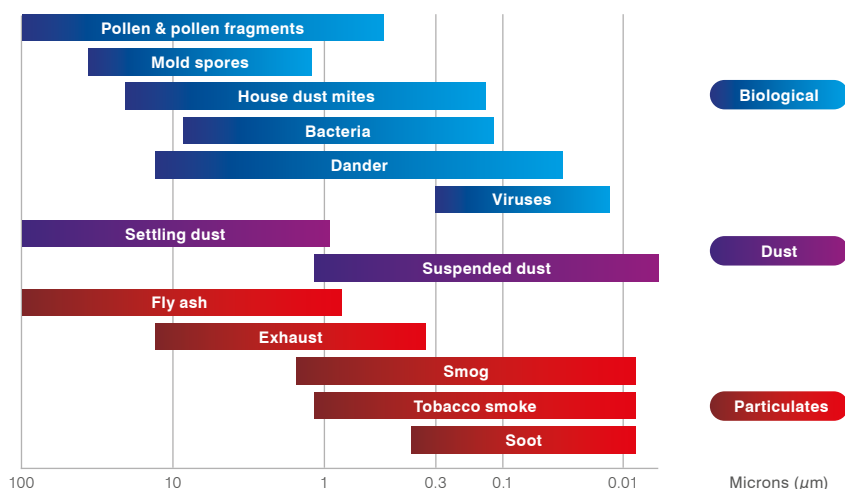
Maintenance cycle – Annual replacement is recommended for medium grade filters.

Best – High Efficiency Grade

M6/F7/F9/MERV 16 higher-grade filters are used to filter out finer particles of size 0.1 microns. These are usually used for healthcare environments.

Maintenance cycle – Annual replacement is recommended for high grade filters.

Particle Sizes

Pollen & pollen fragments
Mold spores
House dust mites
Bacteria
Dander
Viruses

Biological

Settling dust
Suspended dust

Dust

Fly ash
Exhaust
Smog
Tobacco smoke
Soot

Particulates

100   10   1   0.3   0.1   0.01   Microns (μm)

Lossnay Filter Range Tables

To order replacement filters and cores or optional upgrades, please use one of the following tables to select your Lossnay model, and the required filter and core replacement type. The product code and the number of filters and cores included are indicated.

Please note, when using a high efficiency filter, the air volume of the Lossnay unit will decrease by approximately 5 – 15% due to the higher density of the filter material. Please make sure to adjust the fan speed to make the supply air volume and the exhaust air volume equal.

Table Guide	
Model Contains:	The number of units each model contains as standard.
Model Requires:	The number of units each model requires.
Product Code:	The BDT product code you can use to order.
Sold As:	The quantity of units per BDT product code.

Model			Lossnay Core	Replacement Filter	Optional Upgrade Higher Grade Filter
			Paper Characteristic	G3 VL100 (Wall) – P-100F5-E VL100 (Ceiling) – P100ZF-E	M6** VL100 (Wall) – P-100HF5-E VL100 (Ceiling) – P100ZHF-E
VL Single Room					
VL-100 EU5-E		Model Contains	1	1	-
		Model Requires	1	1	1*
		Product Code	W36001710	685054	685055
		Sold As	1	1	1
VL-100 ZSKRT-E		Model Contains	1	2	-
		Model Requires	1	2	2*
		Product Code	W36000710	6850551	6850552
		Sold As	1	1	1
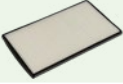
* Optional filters when installed will replace Standard filters.
** Optional filter upgrades should be installed exclusively in the Supply Air (SA) or Outdoor Air (OA) streams, while standard filters should be maintained in the Return Air (RA) stream.
Please refer to the Installation Manual on Techview for more details.

Lossnay Filter Range Tables

VL Vertical Series

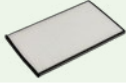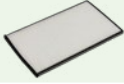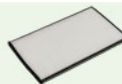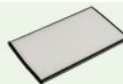| Model			Lossnay Core	Replacement Filter	Optional Upgrade			
					Standard Filter	Medium Grade	Higher Grade	Odour Filtration
			Resin / Plastic Characteristic	G3 (P-**F-E)	G4* (P-**SF-E)	M6* (P-**MF-E)	M6* (P-**PF-E or P-**PFH-E)	NOX* (P-**NF-E)
VL-250 CZPVU-E		Model Contains	1	2	-	-	-	-
		Model Requires	1	2	1	1	1	1
		Product Code	W36008710	6851186	685112	6851182	685116	685093
		Sold As	1	1	1	1	1	1
VL-350 CZPVU-E		Model Contains	1	2	-	-	-	-
		Model Requires	1	2	1	1	1	1
		Product Code	W36008711	6851187	685114	6851183	685117	685094
		Sold As	1	1	1	1	1	1
VL-500 CZPVU-E		Model Contains	1	2	-	-	-	-
		Model Requires	1	2	1	1	1	1
		Product Code	W36009710	6851188	685115	6851185	685118	685095
		Sold As	1	1	1	1	1	1

* Optional filter upgrades should be installed in the Supply Air (SA) spare cartridge. Standard filters should be retained in the Return Air (RA) and Outdoor Air (OA) streams.
Please refer to the Installation Manual on Techview for more details.

VL Vertical Series

Model			Lossnay Core	Standard Filter	Optional Upgrade		
					Medium Grade	Higher Grade	Odour Filtration
			Resin / Plastic Characteristic	G4* (P-**SF-E)	M6* (P-**MF-E)	M6* (P-**PF-E or P-**PFH-E)	NOX* (P-**NF-E)
VL-250 CZPVU2-EG		Model Contains	1	2	-	-	-
		Model Requires	1	2	1	1	1
		Product Code	W36013710	685112	6851182	685116	685093
		Sold As	1	1	1	1	1
VL-350 CZPVU2-EG		Model Contains	1	2	-	-	-
		Model Requires	1	2	1	1	1
		Product Code	W36010710	685114	6851183	685117	685094
		Sold As	1	1	1	1	1
VL-500 CZPVU2-EG		Model Contains	1	2	-	-	-
		Model Requires	1	2	1	1	1
		Product Code	W36013711	685115	6851185	685118	685095
		Sold As	1	1	1	1	1

* Optional filter upgrades should be installed in the Supply Air (SA) spare cartridge. Standard filters should be retained in the Return Air (RA) and Outdoor Air (OA) streams.
Please refer to the Installation Manual on Techview for more details.

Note: G3 Filter Grade (Replacement Filter) – While G3 filters were standard in the previous model range (VL-250/350/500CZPVU-E), they will now be offered as an optional accessory. These filters are recommended for clients seeking to increase airflow performance with the current units.

Lossnay Filter Range Tables

Model			Lossnay Core	Replacement Filter	Optional Upgrade	
					Medium Grade	Higher Grade
			Paper Characteristic	G3 (P-220F-E)	G4** (P-220EMF-E)	M6** (P-220SHF-E)
VL Whole Home						
VL-220 CZGV-E		Model Contains	1	4	-	-
		Model Requires	1	2 pairs	1 pair*	1 pair*
		Product Code	W36002714	685065F	685064F	685063
		Sold As	1	1 pair	1 pair	1 pair

* Optional filters when installed will replace Standard filters.
** Optional filter upgrades should be installed exclusively in the Supply Air (SA) or Outdoor Air (OA) streams, while standard filters should be maintained in the Return Air (RA) stream.
Please refer to the Installation Manual on Techview for more details.

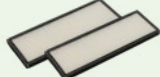| Model			Lossnay Core	Replacement Filter	Optional Upgrade	
					Medium Grade	Higher Grade
			Resin / Plastic Characteristic	G3 (PZ-S**RF-E)	M6** (PZ-S**RFM-E)	F8** (PZ-S**RFH-E)
LGH-RVS Series						
LGH-50 RVS-E		Model Contains	2	2	-	-
		Model Requires	2	2	1*	1*
		Product Code	W50021711	W50021717	685127	6850981
		Sold As	1	1	1 pair	1 pair
LGH-80 RVS-E		Model Contains	2	2	-	-
		Model Requires	2	2	1*	1*
		Product Code	W50021713	W50021718	685128	6850982
		Sold As	1	1	1 pair	1 pair
LGH-100 RVS-E		Model Contains	2	2	-	-
		Model Requires	2	2	1*	1*
		Product Code	W50021714	W50021719	685129	685098
		Sold As	1	1	1 pair	1 pair

* Optional filters when installed will replace Standard filters.
** Optional filter upgrades should be installed exclusively in the Supply Air (SA) or Outdoor Air (OA) streams, while standard filters should be maintained in the Return Air (RA) stream.
Please refer to the Installation Manual on Techview for more details.

Lossnay Filter Range Tables

Model			Lossnay Core	Standard Filter	Optional Upgrade	
					Medium Grade	Higher Grade
			Paper Characteristic	G3 (PZ-**RF8-EE)	M6** (PZ-**RFM-EE)	F9** (PZ-**RFP2-E)
LGH-RVX-E Series (See next page for RVX3-E)						
LGH-15 RVX-E		Model Contains	1	2	-	-
		Model Requires	1	2	1*	1*
		Product Code	W50013714	W50013725	685045	6851021
		Sold As	1	1	1†	1†
LGH-25 RVX-E		Model Contains	2	4	-	-
		Model Requires	2	4	1 pair*	1 pair*
		Product Code	W50013715	W50003736	685046	6851022
		Sold As	1	1	1 pair	1 pair
LGH-35 RVX-E		Model Contains	2	4	-	-
		Model Requires	2	4	1 pair*	1 pair*
		Product Code	W50013716	W50003739	685047	6851023
		Sold As	1	1	1 pair	1 pair
LGH-50 RVX-E		Model Contains	2	4	-	-
		Model Requires	2	4	1 pair*	1 pair*
		Product Code	W50013717	W50004723	685048	685052
		Sold As	1	1	1 pair	1 pair
LGH-65 RVX-E		Model Contains	2	4	-	-
		Model Requires	2	4	1 pair*	1 pair*
		Product Code	W50013718	W50003737	685049	685099
		Sold As	1	1	1 pair	1 pair
LGH-80 RVX-E		Model Contains	2	4	-	-
		Model Requires	2	4	1 pair*	1 pair*
		Product Code	W50013719	W50003738	685050	685101
		Sold As	1	1	1 pair	1 pair
LGH-100 RVX-E		Model Contains	2	4	-	-
		Model Requires	2	4	1 pair*	1 pair*
		Product Code	W50013720	W50004724	685051	685102
		Sold As	1	1	1 pair	1 pair
LGH-150 RVX-E		Model Contains	4	8	-	-
		Model Requires	4	8	2 pairs*	2 pairs*
		Product Code	W50013719	W50003738	685050	685101
		Sold As	1	1	1 pair	1 pair
LGH-200 RVX-E		Model Contains	4	8	-	-
		Model Requires	4	8	2 pairs*	2 pairs*
		Product Code	W50013720	W50004724	685051	685102
		Sold As	1	1	1 pair	1 pair

* Optional filters when installed will replace Standard filters.
** Optional filter upgrades should be installed exclusively in the Supply Air (SA) or Outdoor Air (OA) streams, while standard filters should be maintained in the Return Air (RA) stream.
Please refer to the Installation Manual on Techview for more details.

† LGH-15 RVX-E model only requires one M6 or F9 filter. As an exception, under this code these filters are sold as 1, as they would normally be sold as a pair.

Lossnay Filter Range Tables

Model			Lossnay Core	Standard Filter	Optional Upgrade Higher Grade
			Paper Characteristic	G4 (PZ-**RF3-E)	Merv 16** (PZ-**RFP3-E)
LGH-RVX3-E Series					
LGH-15 RVX3-E		Model Contains	1	2	-
		Model Requires	1	2	1*
		Product Code	W50024712	W50024717	685120
		Sold As	1	1	1†3
LGH-25 RVX3-E		Model Contains	2	2	-
		Model Requires	2	2	1 pair*
		Product Code	W50024715	W50024719	685121
		Sold As	1	1	1 pair
LGH-35 RVX3-E		Model Contains	2	2	-
		Model Requires	2	2	1 pair*
		Product Code	W50024720	W50024721	685122
		Sold As	1	1	1 pair
LGH-50 RVX3-E		Model Contains	2	2	-
		Model Requires	2	2	1 pair*
		Product Code	W50024722	W50024723	685123
		Sold As	1	1	1 pair
LGH-65 RVX3-E		Model Contains	2	2	-
		Model Requires	2	2	1 pair*
		Product Code	W50024726	W50024727	685124
		Sold As	1	1	1 pair
LGH-80 RVX3-E		Model Contains	2	2	-
		Model Requires	2	2	1 pair*
		Product Code	W50024730	W50024731	685125
		Sold As	1	1	1 pair
LGH-100 RVX3-E		Model Contains	2	2	-
		Model Requires	2	2	1 pair*
		Product Code	W50024716	W50024725	685126
		Sold As	1	1	1 pair
LGH-160 RVX3-E		Model Contains	4	4	-
		Model Requires	4	4	2 pairs*
		Product Code	W50024730	W50024731	685125
		Sold As	1	1	1 pair
LGH-200 RVX3-E		Model Contains	4	4	-
		Model Requires	4	4	2 pairs*
		Product Code	W50024716	W50024725	685126
		Sold As	1	1	1 pair

* Optional filters when installed will replace Standard filters.
** Optional filter upgrades should be installed exclusively in the Supply Air (SA) or Outdoor Air (OA) streams, while standard filters should be maintained in the Return Air (RA) stream.
Please refer to the Installation Manual on Techview for more details.

†1 Core for LGH-25 – 200 RVX3-E range.
†2 Core for LGH-15 RVX3-E only.
†3 LGH-15 RVX3-E model only requires one MERV 16 filter. As an exception, under this code this filter is sold as 1, as it would normally be sold as a pair.

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