



Life Cycle Assessment of FBSmV RCCB add-on unit

Representative product	FBSMV-63/4/1-S (170157) reference Product Category: Blocks and Differential Switches
Description of the product	Eaton Moeller series xEffect - FBSmV RCCB add-on unit is designed to detect and interrupt residual currents that pose a risk of electric shock or fire. By integrating a FAZ Miniature Circuit Breaker (MCB) up to 63A, it provides additional protection against short circuits and overloads, ensuring a more comprehensive safety mechanism. This combination enhances the overall reliability and efficiency of the electrical installation process.
Homogeneous Environmental Families Covered	The PEP concerns following product offerings from Eaton Moeller series xEffect - FBSmV RCCB add-on unit as mentioned below: • Series: FBSmV • Rated Operational Current: 40A, 63A • Number of poles: 2,3,4 • Rated fault current: 30mA, 100mA, 300mA, 500mA, 1000mA • Leakage current type: A, AC, S/A, G, S
Functional unit	"Protect people and premises at risk of fire or explosion against insulation defects in a circuit with rated voltage 415 V, rated current 63 A, with 4 poles, sensitivity of 1000 mA, and the differential protection type S and if applicable the specific specifications, in the Household/Commercial or Industrial application area, according to the appropriate use scenario, and during the 20-year reference service life of the product."
Company information	Eaton elektrotechnika s.r.o, Suchdol nad Lužnicí 89, 378 06 Suchdol nad Lužnicí, Czechia Email: productstewardship-es@eaton.com

Constituent materials			
Reference product mass	4.85E-01 kg (with packaging)		
Category pep material	Material constituent	Mass (kg)	% contribution
Metals	Copper	1.41E-01	29.0%
Plastics	Polyamide 6 GF30	1.34E-01	27.6%
Others	Cardboard	7.04E-02	14.5%
Metals	Steel	3.16E-02	6.5%
Metals	Ferronickel	2.47E-02	5.1%
Plastics	Low Density Polyethylene (LDPE)	2.12E-02	4.4%
Metals	Stainless Steel	1.55E-02	3.2%
Others	Wood	1.21E-02	2.5%
Plastics	Polyamide 6	1.20E-02	2.5%
Plastics	Polyamide 66 GF30	9.07E-03	1.9%
Plastics	Polycarbonate	3.59E-03	0.7%
Others	Electronics	3.27E-03	0.7%
Plastics	Phenolic Resin	2.31E-03	0.5%
Plastics	Polyvinyl chloride	1.18E-03	0.2%
Metals	Tin	1.17E-03	0.2%
Others	Miscellaneous	2.10E-03	0.4%
Total		4.85E-01	100.0%

Substance Assessment

The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with exemption and the product does contain Lead as Substance-of-Very-High-Concern (SVHC) on the Candidate List of the EU-REACH Regulation (1907/2006/EC).

Additional Environmental Information

Manufacturing	The reference product is assembled at an Eaton plant Czech Republic holding management system certifications according to ISO 14001 standards.
Distribution	Eaton is committed to minimizing weight and volume of product and packaging with focus to optimize transport efficiency.
Installation	The installation process does not require any energy consumption and there is no waste other than the obsolete product packaging generated during this step.
Use	The product requires energy consumption during operation.
End of life	The recyclability rate of the overall product is 43.9% if it is properly dismantled prior to shredding. The rate is calculated based on "WEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental Impacts

The calculation of the environmental impacts is the result of the Product's Life Cycle Analysis in accordance with ISO 14040/44, covering the entire lifecycle, i.e., "Cradle-to-Grave" including the following life cycle phases: production, distribution, installation, use and end of life.

System modelling was carried out using the commercial LCA software EIME v6.2.5-6 with database version CODDE-2024-04 Updated on 2024-06-04

Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

Manufacturing Phase	The product is assembled as well as packed at Eaton facility Eaton Suchdol nad Lužnicí 89, 378 06 Suchdol nad Lužnicí, Czechia. Energy model used: Czech Republic
Distribution Phase	Distribution of the product in its packaging from the Eaton's last logistics platform to the installation place in Europe is considered as per PCR rules.
Installation Phase	Product is installed in Europe. Installation of product and treatment of packaging waste are considered in this phase. There is no energy consumption for reference product. Energy model used: Europe
Use Phase	Reference lifetime: 20 Years Usage profile: The product has power loss of 25 W at full load condition. For Industrial applications considering 50% of the loading rate and 30% of the use time rate, total losses are 328.5 kWh over the 20 years. Product do not require any maintenance/replacement during useful life. Industrial application is considered as per PSR-0005 section 3.2.2. Energy model used: Europe
End of life Phase	Product disposed with WEEE guidelines. Energy model used: Europe
Module-D	Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and loads beyond the boundaries of the system and are not to be included in the life cycle totals.

Environmental Impact Indicators: Mandatory

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Climate change – total (GWP)	kg CO2 eq.	1.20E+02	3.09E+00	1.16E-01	2.43E-01	1.16E+02	4.24E-01	-5.68E-01
Climate change - fossil fuels (GWP-f)	kg CO2 eq.	1.19E+02	3.15E+00	1.16E-01	1.11E-01	1.16E+02	4.06E-01	-6.37E-01
Climate change – biogenics (GWP-b)	kg CO2 eq.	3.06E-01	-5.73E-02	0.00E+00	1.33E-01	2.13E-01	1.76E-02	6.99E-02
Climate change - land use and land use transformation (GWP-lu)	kg CO2 eq.	5.39E-06	5.10E-06	0.00E+00	0.00E+00	0.00E+00	2.88E-07	0.00E+00
Ozone depletion (ODP)	kg eq. CFC-11	8.19E-07	2.28E-07	1.77E-10	1.41E-09	5.61E-07	2.83E-08	-7.83E-08
Acidification (AP)	mole of H+ eq.	6.46E-01	4.82E-02	0.00	3.47E-04	5.93E-01	3.69E-03	-1.71E-02
Freshwater eutrophication (EP-fw)	kg P eq.	1.09E-03	2.42E-04	4.34E-08	1.29E-06	3.05E-04	5.43E-04	-1.56E-06
Marine aquatic eutrophication (EP-m)	kg of N eq.	7.66E-02	3.43E-03	3.43E-04	1.30E-04	7.23E-02	4.80E-04	-7.89E-04
Terrestrial eutrophication (EP-t)	mole of N eq.	1.21E+00	3.70E-02	3.77E-03	9.74E-04	1.16E+00	6.03E-03	-8.84E-03
Photochemical ozone formation (POCP)	kg of NMVOC eq.	2.42E-01	1.23E-02	9.50E-04	2.31E-04	2.27E-01	1.52E-03	-3.51E-03
Depletion of abiotic resources – elements (ADPe)	kg eq. Sb	4.01E-04	3.43E-04	4.55E-09	3.28E-09	4.10E-05	1.76E-05	-1.35E-04

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Depletion of abiotic resources - fossil fuels (ADP-f)	MJ	3.00E+03	6.32E+01	1.61E+00	1.08E+00	2.92E+03	1.29E+01	-1.28E+01
Water scarcity (WDP)	m3 of eq.. deprivation worldwide	1.22E+01	2.52E+00	4.39E-04	7.33E-03	8.87E+00	8.07E-01	-8.39E-01

Inventory Flow Indicators: Mandatory

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	7.76E+02	1.27E+00	2.15E-03	1.51E-01	7.73E+02	6.13E-01	-2.18E-01
Use of renewable primary energy resources used as raw materials	MJ	1.92E+00	1.92E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.04E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	7.77E+02	3.19E+00	2.15E-03	1.51E-01	7.73E+02	6.13E-01	-1.26E+00
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	3.00E+03	5.81E+01	1.61E+00	1.08E+00	2.92E+03	1.29E+01	-1.28E+01
Use of non-renewable primary energy resources used as raw materials	MJ	5.10E+00	5.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-6.24E-02
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	3.00E+03	6.32E+01	1.61E+00	1.08E+00	2.92E+03	1.29E+01	-1.28E+01
Use of secondary materials	kg	3.64E-07	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-8.50E-03
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	m3	2.88E-01	5.89E-02	1.02E-05	5.33E-04	2.08E-01	1.96E-02	-1.95E-02
Hazardous waste disposed of	kg	3.17E+01	2.61E+01	0.00E+00	8.76E-03	5.08E+00	4.65E-01	-1.12E+01
Non-hazardous waste disposed of	kg	2.18E+01	1.85E+00	4.06E-03	4.19E-02	1.96E+01	3.22E-01	-1.08E+00

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Radioactive waste disposed of	kg	5.23E-03	5.61E-04	2.89E-06	6.14E-06	4.49E-03	1.74E-04	-6.44E-05
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	2.91E-01	7.85E-02	0.00E+00	7.00E-02	0.00E+00	1.43E-01	-3.31E-09
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ by energy vector	4.28E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the product	kg of C.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	kg of C.	3.45E-02	3.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Environmental Impact Indicators: Optional

Optional Environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Emission of fine particles	Incidence of diseases	5.11E-06	3.08E-07	5.96E-09	2.13E-09	4.78E-06	2.32E-08	-1.14E-07
Ionizing radiation, human health	kBq of U235 eq.	2.29E+02	6.25E+01	2.82E-04	2.41E-02	1.66E+02	8.17E-02	-2.86E+01
Ecotoxicity, fresh water	CTUe	7.32E+02	4.93E+02	7.58E-02	1.32E+00	2.19E+02	1.89E+01	-5.40E+00
Human toxicity, cancer effects	CTUh	4.37E-03	4.37E-03	2.03E-12	8.46E-09	1.46E-08	4.50E-09	-1.04E-07
Human toxicity, non-cancer effects	CTUh	9.40E-07	5.47E-07	3.93E-11	3.43E-10	3.48E-07	4.51E-08	-2.47E-07
Impacts related to land use/soil quality	-	5.56E+00	7.18E-01	0.00E+00	1.73E-04	3.20E+00	1.64E+00	-9.22E-07
Total use of primary energy during the life cycle	MJ	3.78E+03	6.64E+01	1.62E+00	1.23E+00	3.70E+03	1.35E+01	-1.41E+01

To evaluate the environmental impact of other product covered by this PEP, multiply the impact figures by

Factors for Manufacturing, Distribution, Installation, End-of-Life, and Module-D Phase:

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
170157	FBSMV-63/4/1-S	Manufacturing	1.00												
		Distribution	1.00												
		Installation	1.00												
		Module D	1.00												
		End of Life	1.00												
170153	FBSMV-63/4/01-S	Manufacturing	1.11	1.11	0.97	1.00	1.27	1.23	1.29	1.12	1.13	1.16	1.21	1.07	1.22
		Distribution	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
		Installation	0.96	0.97	0.96	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		End of Life	1.08	1.08	1.00	1.00	1.33	1.14	1.00	1.06	1.05	1.06	1.00	0.96	1.01
		Module D	1.17	1.16	1.04	1.00	1.20	1.24	1.10	1.19	1.19	1.21	1.21	1.12	1.23
170167	FBSMV-63/4/01-S/A	Manufacturing	1.11	1.11	0.97	1.00	1.27	1.23	1.29	1.12	1.13	1.16	1.21	1.07	1.22
		Distribution	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
		Installation	0.96	0.97	0.96	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		End of Life	1.08	1.08	1.00	1.00	1.33	1.14	1.00	1.06	1.05	1.06	1.00	0.96	1.01
		Module D	1.17	1.16	1.04	1.00	1.20	1.24	1.10	1.19	1.19	1.21	1.21	1.12	1.23
170155	FBSMV-63/4/03-S	Manufacturing	1.08	1.08	0.98	1.00	1.19	1.16	1.20	1.09	1.09	1.11	1.15	1.05	1.15
		Distribution	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	1.07	1.07	1.00	1.00	1.28	1.12	1.00	1.05	1.05	1.05	1.00	0.97	1.01
		Module D	1.12	1.11	1.03	1.00	1.14	1.17	1.07	1.13	1.13	1.14	1.15	1.09	1.16
170169	FBSMV-63/4/03-S/A	Manufacturing	1.11	1.11	0.97	1.00	1.27	1.23	1.29	1.12	1.13	1.16	1.21	1.07	1.22
		Distribution	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
		Installation	0.96	0.97	0.96	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
		End of Life	1.08	1.08	1.00	1.00	1.33	1.14	1.00	1.06	1.05	1.06	1.00	0.96	1.01
		Module D	1.17	1.16	1.04	1.00	1.20	1.24	1.10	1.19	1.19	1.21	1.21	1.12	1.23
170198	FBSMV-63/4/003	Manufacturing	1.05	1.05	0.99	1.00	1.12	1.10	1.13	1.06	1.06	1.07	1.10	1.03	1.10
		Distribution	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		Installation	0.97	0.98	0.97	1.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
		End of Life	1.03	1.03	1.00	1.00	1.12	1.05	1.00	1.02	1.02	1.03	1.00	0.99	1.01
		Module D	1.08	1.07	1.02	1.00	1.09	1.11	1.05	1.09	1.09	1.09	1.10	1.06	1.10
170228	FBSMV-63/4/003-A	Manufacturing	1.05	1.05	0.99	1.00	1.12	1.10	1.13	1.06	1.06	1.07	1.10	1.03	1.10
		Distribution	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		Installation	0.97	0.98	0.97	1.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
		End of Life	1.03	1.03	1.00	1.00	1.12	1.05	1.00	1.02	1.02	1.03	1.00	0.99	1.01
		Module D	1.08	1.07	1.02	1.00	1.09	1.11	1.05	1.09	1.09	1.09	1.10	1.06	1.10
180629	FBSMV-63/4/003-A-230	Manufacturing	1.05	1.05	0.99	1.00	1.12	1.10	1.13	1.06	1.06	1.07	1.10	1.03	1.10
		Distribution	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		Installation	0.97	0.98	0.97	1.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
		End of Life	1.03	1.03	1.00	1.00	1.12	1.05	1.00	1.02	1.02	1.03	1.00	0.99	1.01
		Module D	1.08	1.07	1.02	1.00	1.09	1.11	1.05	1.09	1.09	1.09	1.10	1.06	1.10
170230	FBSMV-63/4/01-A	Manufacturing	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00
		Distribution	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		Installation	0.98	0.98	0.98	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		End of Life	0.99	0.99	1.00	1.00	0.98	0.99	1.00	1.00	1.00	0.99	1.00	1.00	1.00
		Module D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
170232	FBSMV-63/4/03-A	Manufacturing	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00
		Distribution	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		Installation	0.98	0.98	0.98	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		End of Life	0.99	0.99	1.00	1.00	0.98	0.99	1.00	1.00	1.00	0.99	1.00	1.00	1.00

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		Module D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
170236	FBSMV-63/4/1-A	Manufacturing	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00
		Distribution	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		Installation	0.98	0.98	0.98	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		End of Life	0.99	0.99	1.00	1.00	0.98	0.99	1.00	1.00	1.00	0.99	1.00	1.00	1.00
		Module D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
170234	FBSMV-63/4/05-A	Manufacturing	0.95	0.95	1.01	1.00	0.90	0.90	0.88	0.95	0.94	0.93	0.91	0.97	0.91
		Distribution	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
		Installation	0.99	0.99	0.99	1.00	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99
		End of Life	0.96	0.95	0.98	0.98	0.85	0.93	0.98	0.96	0.97	0.96	0.98	1.01	0.98
		Module D	0.92	0.93	0.98	1.00	0.91	0.89	0.95	0.92	0.92	0.91	0.91	0.94	0.90
170200	FBSMV-63/4/01	Manufacturing	0.90	0.91	1.02	1.00	0.81	0.81	0.76	0.89	0.89	0.87	0.82	0.93	0.82
		Distribution	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.92	0.92	0.95	0.95	0.77	0.88	0.95	0.94	0.94	0.93	0.95	1.01	0.97
		Module D	0.85	0.86	0.96	1.00	0.83	0.79	0.91	0.84	0.83	0.82	0.82	0.89	0.81
170202	FBSMV-63/4/03	Manufacturing	0.90	0.91	1.02	1.00	0.81	0.81	0.76	0.89	0.89	0.87	0.82	0.93	0.82
		Distribution	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.92	0.92	0.95	0.95	0.77	0.88	0.95	0.94	0.94	0.93	0.95	1.01	0.97
		Module D	0.85	0.86	0.96	1.00	0.83	0.79	0.91	0.84	0.83	0.82	0.82	0.89	0.81
170206	FBSMV-63/4/1	Manufacturing	0.89	0.90	1.02	1.00	0.79	0.79	0.73	0.88	0.88	0.85	0.80	0.92	0.80
		Distribution	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
		Installation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		End of Life	0.92	0.91	0.94	0.94	0.75	0.87	0.94	0.93	0.93	0.93	0.94	1.01	0.96
		Module D	0.83	0.85	0.96	1.00	0.81	0.77	0.90	0.82	0.82	0.80	0.80	0.88	0.79
170204	FBSMV-63/4/05	Manufacturing	0.87	0.87	1.02	0.99	0.75	0.74	0.67	0.85	0.84	0.82	0.75	0.90	0.75
		Distribution	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
		Installation	1.01	1.01	1.01	1.00	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
		End of Life	0.90	0.90	0.91	0.91	0.71	0.84	0.91	0.91	0.91	0.91	0.91	1.00	0.95
		Module D	0.79	0.81	0.94	1.00	0.76	0.72	0.88	0.77	0.77	0.76	0.75	0.85	0.73
170218	FBSMV-63/3/003-A	Manufacturing	0.79	0.79	1.03	0.98	0.68	0.60	0.50	0.77	0.76	0.71	0.61	0.85	0.61
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	1.03	1.02	1.03	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		End of Life	0.85	0.85	0.81	0.81	0.66	0.78	0.81	0.86	0.86	0.86	0.81	0.97	0.89
		Module D	0.67	0.70	0.91	1.00	0.64	0.57	0.81	0.65	0.64	0.62	0.61	0.75	0.59
180628	FBSMV-63/3/003-A-230	Manufacturing	0.79	0.79	1.03	0.98	0.68	0.60	0.50	0.77	0.76	0.71	0.61	0.85	0.61
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	1.03	1.02	1.03	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		End of Life	0.85	0.85	0.81	0.81	0.66	0.78	0.81	0.86	0.86	0.86	0.81	0.97	0.89
		Module D	0.67	0.70	0.91	1.00	0.64	0.57	0.81	0.65	0.64	0.62	0.61	0.75	0.59
170239	FBSMV-40/4/003-G	Manufacturing	0.81	0.81	1.03	0.99	0.69	0.63	0.54	0.79	0.78	0.74	0.64	0.86	0.64
		Distribution	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
		Installation	1.02	1.02	1.02	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.01	1.02	1.02
		End of Life	0.86	0.86	0.84	0.83	0.67	0.79	0.83	0.87	0.87	0.87	0.83	0.98	0.91
		Module D	0.70	0.72	0.92	1.00	0.66	0.60	0.82	0.68	0.67	0.65	0.65	0.78	0.62
170188	FBSMV-63/3/003	Manufacturing	0.75	0.76	1.02	0.97	0.67	0.54	0.42	0.73	0.72	0.67	0.55	0.81	0.55
		Distribution	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.03	1.02	1.02	1.02	1.02	1.03
		End of Life	0.83	0.83	0.74	0.74	0.67	0.75	0.74	0.84	0.83	0.83	0.74	0.94	0.85
		Module D	0.61	0.64	0.89	1.00	0.58	0.50	0.77	0.59	0.58	0.56	0.55	0.71	0.52
170152	FBSMV-40/4/01-S	Manufacturing	0.78	0.78	1.03	0.98	0.67	0.58	0.47	0.76	0.74	0.70	0.59	0.83	0.59
		Distribution	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		End of Life	0.84	0.84	0.79	0.79	0.66	0.77	0.79	0.85	0.85	0.85	0.78	0.96	0.88
		Module D	0.65	0.68	0.90	1.00	0.61	0.54	0.79	0.63	0.62	0.60	0.59	0.74	0.57
170166	FBSMV-40/4/01-S/A	Manufacturing	0.78	0.78	1.03	0.98	0.67	0.58	0.47	0.76	0.74	0.70	0.59	0.83	0.59
		Distribution	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		End of Life	0.84	0.84	0.79	0.79	0.66	0.77	0.79	0.85	0.85	0.85	0.78	0.96	0.88
		Module D	0.65	0.68	0.90	1.00	0.61	0.54	0.79	0.63	0.62	0.60	0.59	0.74	0.57
170154	FBSMV-40/4/03-S	Manufacturing	0.78	0.78	1.03	0.98	0.67	0.58	0.47	0.76	0.74	0.70	0.59	0.83	0.59
		Distribution	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		End of Life	0.84	0.84	0.79	0.79	0.66	0.77	0.79	0.85	0.85	0.85	0.78	0.96	0.88
		Module D	0.65	0.68	0.90	1.00	0.61	0.54	0.79	0.63	0.62	0.60	0.59	0.74	0.57
170168	FBSMV-40/4/03-S/A	Manufacturing	0.78	0.78	1.03	0.98	0.67	0.58	0.47	0.76	0.74	0.70	0.59	0.83	0.59
		Distribution	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
		End of Life	0.84	0.84	0.79	0.79	0.66	0.77	0.79	0.85	0.85	0.85	0.78	0.96	0.88
		Module D	0.65	0.68	0.90	1.00	0.61	0.54	0.79	0.63	0.62	0.60	0.59	0.74	0.57
170227	FBSMV-40/4/003-A	Manufacturing	0.75	0.76	1.02	0.97	0.67	0.54	0.42	0.73	0.72	0.67	0.55	0.81	0.55
		Distribution	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.03	1.02	1.02	1.02	1.02	1.03
		End of Life	0.83	0.83	0.74	0.74	0.67	0.75	0.74	0.84	0.83	0.83	0.74	0.94	0.85
		Module D	0.61	0.64	0.89	1.00	0.58	0.50	0.77	0.59	0.58	0.56	0.55	0.71	0.52
180625	FBSMV-40/4/003-A-230	Manufacturing	0.75	0.76	1.02	0.97	0.67	0.54	0.42	0.73	0.72	0.67	0.55	0.81	0.55
		Distribution	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
		Installation	1.03	1.03	1.03	1.00	1.02	1.02	1.02	1.03	1.02	1.02	1.02	1.02	1.03
		End of Life	0.83	0.83	0.74	0.74	0.67	0.75	0.74	0.84	0.83	0.83	0.74	0.94	0.85
		Module D	0.61	0.64	0.89	1.00	0.58	0.50	0.77	0.59	0.58	0.56	0.55	0.71	0.52
170156	FBSMV-40/4/1-S	Manufacturing	0.74	0.75	1.02	0.97	0.67	0.52	0.40	0.72	0.70	0.65	0.53	0.80	0.54
		Distribution	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
		Installation	1.03	1.03	1.04	1.00	1.02	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.03
		End of Life	0.82	0.82	0.72	0.72	0.67	0.74	0.72	0.83	0.82	0.82	0.72	0.93	0.84
		Module D	0.60	0.63	0.88	1.00	0.56	0.48	0.76	0.57	0.56	0.54	0.53	0.69	0.50
170220	FBSMV-63/3/01-A	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170147	FBSMV-63/3/01-S	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170163	FBSMV-63/3/01-S/A	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170222	FBSMV-63/3/03-A	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
170149	FBSMV-63/3/03-S	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170165	FBSMV-63/3/03-S/A	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170224	FBSMV-63/3/05-A	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170226	FBSMV-63/3/1-A	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170151	FBSMV-63/3/1-S	Manufacturing	0.70	0.71	1.01	0.95	0.69	0.46	0.32	0.67	0.66	0.60	0.46	0.77	0.48
		Distribution	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.79	0.80	0.63	0.62	0.71	0.72	0.63	0.80	0.78	0.79	0.62	0.89	0.79
		Module D	0.53	0.57	0.85	1.00	0.50	0.41	0.72	0.51	0.50	0.47	0.47	0.64	0.44
170197	FBSMV-40/4/003	Manufacturing	0.72	0.73	1.02	0.96	0.67	0.49	0.36	0.69	0.68	0.63	0.49	0.78	0.50
		Distribution	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
		Installation	1.04	1.04	1.04	1.00	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03
		End of Life	0.81	0.81	0.68	0.67	0.69	0.73	0.67	0.81	0.80	0.80	0.67	0.91	0.82
		Module D	0.56	0.59	0.87	1.00	0.53	0.44	0.74	0.54	0.53	0.51	0.50	0.67	0.47
170190	FBSMV-63/3/01	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.65	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.78	0.56	0.56	0.74	0.70	0.56	0.77	0.75	0.76	0.56	0.85	0.74
		Module D	0.49	0.53	0.83	1.00	0.46	0.37	0.69	0.47	0.46	0.43	0.43	0.60	0.39
170192	FBSMV-63/3/03	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.65	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.78	0.56	0.56	0.74	0.70	0.56	0.77	0.75	0.76	0.56	0.85	0.74
		Module D	0.49	0.53	0.83	1.00	0.46	0.37	0.69	0.47	0.46	0.43	0.43	0.60	0.39
170194	FBSMV-63/3/05	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.65	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.78	0.56	0.56	0.74	0.70	0.56	0.77	0.75	0.76	0.56	0.85	0.74
		Module D	0.49	0.53	0.83	1.00	0.46	0.37	0.69	0.47	0.46	0.43	0.43	0.60	0.39
170196	FBSMV-63/3/1	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.65	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.78	0.56	0.56	0.74	0.70	0.56	0.77	0.75	0.76	0.56	0.85	0.74
		Module D	0.49	0.53	0.83	1.00	0.46	0.37	0.69	0.47	0.46	0.43	0.43	0.60	0.39
170229	FBSMV-40/4/01-A	Manufacturing	0.68	0.69	1.01	0.95	0.71	0.44	0.30	0.66	0.64	0.58	0.44	0.75	0.45
		Distribution	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
		Installation	1.04	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		End of Life	0.78	0.79	0.59	0.59	0.73	0.71	0.59	0.78	0.76	0.77	0.59	0.87	0.76
		Module D	0.51	0.54	0.84	#DIV/0!	0.48	0.39	0.71	0.49	0.47	0.45	0.45	0.62	0.41
170235	FBSMV-40/4/1-A	Manufacturing	0.68	0.68	1.00	0.94	0.72	0.43	0.29	0.65	0.63	0.57	0.43	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.79	0.57	0.56	0.74	0.70	0.56	0.78	0.76	0.77	0.56	0.86	0.75
		Module D	0.50	0.53	0.84	1.00	0.46	0.37	0.70	0.47	0.46	0.44	0.43	0.61	0.40
170199	FBSMV-40/4/01	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.65	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.78	0.56	0.56	0.74	0.70	0.56	0.77	0.75	0.76	0.56	0.85	0.74
		Module D	0.49	0.53	0.83	1.00	0.46	0.37	0.69	0.47	0.46	0.43	0.43	0.60	0.39
170233	FBSMV-40/4/05-A	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.65	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.78	0.78	0.56	0.56	0.74	0.70	0.56	0.77	0.75	0.76	0.56	0.85	0.74
		Module D	0.49	0.53	0.83	1.00	0.46	0.37	0.69	0.47	0.46	0.43	0.43	0.60	0.39
170231	FBSMV-40/4/03-A	Manufacturing	0.67	0.68	1.00	0.94	0.73	0.42	0.28	0.64	0.63	0.57	0.42	0.74	0.44
		Distribution	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.77	0.78	0.55	0.55	0.75	0.70	0.55	0.77	0.75	0.76	0.55	0.85	0.74
		Module D	0.49	0.52	0.83	1.00	0.46	0.36	0.69	0.46	0.45	0.43	0.42	0.60	0.39
170238	FBSMV-40/3/003-G	Manufacturing	0.65	0.65	0.99	0.92	0.79	0.40	0.25	0.62	0.60	0.54	0.39	0.71	0.41
		Distribution	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.76	0.77	0.49	0.48	0.78	0.69	0.48	0.75	0.72	0.74	0.48	0.81	0.70
		Module D	0.45	0.49	0.81	1.00	0.43	0.33	0.67	0.43	0.42	0.40	0.39	0.57	0.36
170146	FBSMV-40/3/01-S	Manufacturing	0.65	0.65	0.99	0.92	0.79	0.40	0.25	0.62	0.60	0.54	0.39	0.71	0.41
		Distribution	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.76	0.77	0.49	0.48	0.78	0.69	0.48	0.75	0.72	0.74	0.48	0.81	0.70
		Module D	0.45	0.49	0.81	1.00	0.43	0.33	0.67	0.43	0.42	0.40	0.39	0.57	0.36
170162	FBSMV-40/3/01-S/A	Manufacturing	0.65	0.65	0.99	0.92	0.79	0.40	0.25	0.62	0.60	0.54	0.39	0.71	0.41
		Distribution	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.76	0.77	0.49	0.48	0.78	0.69	0.48	0.75	0.72	0.74	0.48	0.81	0.70
		Module D	0.45	0.49	0.81	1.00	0.43	0.33	0.67	0.43	0.42	0.40	0.39	0.57	0.36
170148	FBSMV-40/3/03-S	Manufacturing	0.65	0.65	0.99	0.92	0.79	0.40	0.25	0.62	0.60	0.54	0.39	0.71	0.41
		Distribution	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.76	0.77	0.49	0.48	0.78	0.69	0.48	0.75	0.72	0.74	0.48	0.81	0.70
		Module D	0.45	0.49	0.81	1.00	0.43	0.33	0.67	0.43	0.42	0.40	0.39	0.57	0.36
170164	FBSMV-40/3/03-S/A	Manufacturing	0.65	0.65	0.99	0.92	0.79	0.40	0.25	0.62	0.60	0.54	0.39	0.71	0.41
		Distribution	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.76	0.77	0.49	0.48	0.78	0.69	0.48	0.75	0.72	0.74	0.48	0.81	0.70
		Module D	0.45	0.49	0.81	1.00	0.43	0.33	0.67	0.43	0.42	0.40	0.39	0.57	0.36
170150	FBSMV-40/3/1-S	Manufacturing	0.81	0.82	1.03	0.99	0.69	0.64	0.54	0.79	0.78	0.74	0.65	0.86	0.65
		Distribution	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
		Installation	0.81	0.82	0.80	1.00	0.85	0.85	0.85	0.84	0.84	0.84	0.86	0.85	0.84
		End of Life	0.75	0.77	0.48	0.48	0.79	0.69	0.48	0.75	0.72	0.73	0.48	0.81	0.69
		Module D	0.71	0.73	0.92	1.00	0.67	0.61	0.83	0.69	0.68	0.66	0.65	0.78	0.63

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
170201	FBSMV-40/4/03	Manufacturing	0.66	0.67	1.00	0.94	0.75	0.41	0.27	0.64	0.62	0.56	0.41	0.73	0.43
		Distribution	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.77	0.78	0.54	0.53	0.75	0.70	0.53	0.77	0.74	0.75	0.53	0.84	0.73
		Module D	0.48	0.51	0.83	1.00	0.45	0.36	0.69	0.46	0.45	0.42	0.42	0.59	0.38
170203	FBSMV-40/4/05	Manufacturing	0.66	0.67	1.00	0.94	0.75	0.41	0.27	0.64	0.62	0.56	0.41	0.73	0.43
		Distribution	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.77	0.78	0.54	0.53	0.75	0.70	0.53	0.77	0.74	0.75	0.53	0.84	0.73
		Module D	0.48	0.51	0.83	1.00	0.45	0.36	0.69	0.46	0.45	0.42	0.42	0.59	0.38
170205	FBSMV-40/4/1	Manufacturing	0.66	0.67	1.00	0.94	0.75	0.41	0.27	0.64	0.62	0.56	0.41	0.73	0.43
		Distribution	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		Installation	1.05	1.04	1.05	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.03	1.03	1.04
		End of Life	0.77	0.78	0.54	0.53	0.75	0.70	0.53	0.77	0.74	0.75	0.53	0.84	0.73
		Module D	0.48	0.51	0.83	1.00	0.45	0.36	0.69	0.46	0.45	0.42	0.42	0.59	0.38
170217	FBSMV-40/3/003-A	Manufacturing	0.63	0.63	0.97	0.91	0.86	0.38	0.23	0.60	0.58	0.52	0.37	0.69	0.39
		Distribution	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
		Installation	1.05	1.05	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.74	0.75	0.43	0.42	0.82	0.67	0.42	0.73	0.70	0.71	0.42	0.77	0.65
		Module D	0.42	0.46	0.79	1.00	0.41	0.31	0.65	0.40	0.39	0.37	0.37	0.54	0.33
180624	FBSMV-40/3/003-A-230	Manufacturing	0.63	0.63	0.97	0.91	0.86	0.38	0.23	0.60	0.58	0.52	0.37	0.69	0.39
		Distribution	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
		Installation	1.05	1.05	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.04	1.03	1.03	1.04
		End of Life	0.74	0.75	0.43	0.42	0.82	0.67	0.42	0.73	0.70	0.71	0.42	0.77	0.65
		Module D	0.42	0.46	0.79	1.00	0.41	0.31	0.65	0.40	0.39	0.37	0.37	0.54	0.33
170187	FBSMV-40/3/003	Manufacturing	0.61	0.61	0.95	0.89	0.94	0.37	0.22	0.58	0.56	0.51	0.35	0.66	0.38
		Distribution	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
		Installation	1.05	1.05	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.02	1.03	1.04
		End of Life	0.72	0.73	0.37	0.36	0.85	0.66	0.36	0.70	0.67	0.69	0.36	0.74	0.60
		Module D	0.40	0.44	0.77	1.00	0.39	0.30	0.63	0.38	0.37	0.35	0.35	0.51	0.32
170219	FBSMV-40/3/01-A	Manufacturing	0.59	0.59	0.93	0.86	1.05	0.36	0.22	0.56	0.55	0.49	0.34	0.64	0.37
		Distribution	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
		Installation	1.05	1.04	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.02	1.03	1.04
		End of Life	0.70	0.71	0.31	0.30	0.87	0.64	0.31	0.67	0.64	0.66	0.30	0.69	0.55
		Module D	0.37	0.41	0.75	1.00	0.38	0.29	0.61	0.36	0.35	0.33	0.34	0.48	0.31
170221	FBSMV-40/3/03-A	Manufacturing	0.58	0.59	0.92	0.85	1.10	0.36	0.23	0.56	0.54	0.49	0.33	0.63	0.37
		Distribution	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
		Installation	1.05	1.04	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.02	1.03	1.03
		End of Life	0.69	0.70	0.29	0.29	0.87	0.63	0.29	0.66	0.63	0.65	0.29	0.67	0.53
		Module D	0.36	0.40	0.74	1.00	0.38	0.29	0.61	0.36	0.34	0.33	0.33	0.47	0.30
170223	FBSMV-40/3/05-A	Manufacturing	0.58	0.59	0.92	0.85	1.10	0.36	0.23	0.56	0.54	0.49	0.33	0.63	0.37
		Distribution	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
		Installation	1.05	1.04	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.02	1.03	1.03
		End of Life	0.69	0.70	0.29	0.29	0.87	0.63	0.29	0.66	0.63	0.65	0.29	0.67	0.53
		Module D	0.36	0.40	0.74	1.00	0.38	0.29	0.61	0.36	0.34	0.33	0.33	0.47	0.30
170225	FBSMV-40/3/1-A	Manufacturing	0.58	0.59	0.92	0.85	1.10	0.36	0.23	0.56	0.54	0.49	0.33	0.63	0.37
		Distribution	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
		Installation	1.05	1.04	1.06	1.00	1.03	1.03	1.03	1.04	1.03	1.03	1.02	1.03	1.03
		End of Life	0.69	0.70	0.29	0.29	0.87	0.63	0.29	0.66	0.63	0.65	0.29	0.67	0.53
		Module D	0.36	0.40	0.74	1.00	0.38	0.29	0.61	0.36	0.34	0.33	0.33	0.47	0.30
170189	FBSMV-40/3/01	Manufacturing	0.58	0.58	0.91	0.85	1.13	0.36	0.23	0.55	0.54	0.49	0.33	0.62	0.37
		Distribution	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
		Installation	1.05	1.04	1.05	1.00	1.02	1.02	1.02	1.03	1.03	1.03	1.01	1.02	1.03

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		End of Life	0.68	0.70	0.28	0.27	0.88	0.63	0.27	0.66	0.62	0.64	0.27	0.66	0.51
		Module D	0.36	0.40	0.74	1.00	0.38	0.29	0.60	0.35	0.34	0.33	0.33	0.47	0.30
170191	FBSMV-40/3/03	Manufacturing	0.58	0.58	0.91	0.85	1.13	0.36	0.23	0.55	0.54	0.49	0.33	0.62	0.37
		Distribution	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
		Installation	1.05	1.04	1.05	1.00	1.02	1.02	1.02	1.03	1.03	1.03	1.01	1.02	1.03
		End of Life	0.68	0.70	0.28	0.27	0.88	0.63	0.27	0.66	0.62	0.64	0.27	0.66	0.51
		Module D	0.36	0.40	0.74	1.00	0.38	0.29	0.60	0.35	0.34	0.33	0.33	0.47	0.30
170193	FBSMV-40/3/05	Manufacturing	0.58	0.58	0.91	0.84	1.16	0.36	0.23	0.55	0.53	0.49	0.33	0.62	0.37
		Distribution	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
		Installation	1.05	1.04	1.05	1.00	1.02	1.02	1.02	1.03	1.02	1.03	1.01	1.02	1.03
		End of Life	0.67	0.69	0.27	0.27	0.88	0.62	0.27	0.65	0.62	0.64	0.26	0.66	0.50
		Module D	0.36	0.39	0.73	1.00	0.38	0.29	0.60	0.35	0.34	0.33	0.33	0.46	0.30
170195	FBSMV-40/3/1	Manufacturing	0.58	0.58	0.91	0.84	1.16	0.36	0.23	0.55	0.53	0.49	0.33	0.62	0.37
		Distribution	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
		Installation	1.05	1.04	1.05	1.00	1.02	1.02	1.02	1.03	1.02	1.03	1.01	1.02	1.03
		End of Life	0.67	0.69	0.27	0.27	0.88	0.62	0.27	0.65	0.62	0.64	0.26	0.66	0.50
		Module D	0.36	0.39	0.73	1.00	0.38	0.29	0.60	0.35	0.34	0.33	0.33	0.46	0.30
170241	FBSMV-63/2/01-S	Manufacturing	0.55	0.56	0.84	0.79	1.42	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	1.03	1.03	1.04	1.00	1.01	1.01	1.01	1.02	1.01	1.01	1.00	1.01	1.02
		End of Life	0.62	0.64	0.22	0.21	0.83	0.57	0.21	0.59	0.56	0.58	0.21	0.58	0.39
		Module D	0.33	0.37	0.69	1.00	0.38	0.32	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170159	FBSMV-63/2/01-S/A	Manufacturing	0.55	0.56	0.84	0.79	1.42	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	1.03	1.03	1.04	1.00	1.01	1.01	1.01	1.02	1.01	1.01	1.00	1.01	1.02
		End of Life	0.62	0.64	0.22	0.21	0.83	0.57	0.21	0.59	0.56	0.58	0.21	0.58	0.39
		Module D	0.33	0.37	0.69	1.00	0.38	0.32	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170143	FBSMV-63/2/03-S	Manufacturing	0.55	0.56	0.84	0.79	1.42	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	1.03	1.03	1.04	1.00	1.01	1.01	1.01	1.02	1.01	1.01	1.00	1.01	1.02
		End of Life	0.62	0.64	0.22	0.21	0.83	0.57	0.21	0.59	0.56	0.58	0.21	0.58	0.39
		Module D	0.33	0.37	0.69	1.00	0.38	0.32	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170161	FBSMV-63/2/03-S/A	Manufacturing	0.55	0.56	0.84	0.79	1.42	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	1.03	1.03	1.04	1.00	1.01	1.01	1.01	1.02	1.01	1.01	1.00	1.01	1.02
		End of Life	0.62	0.64	0.22	0.21	0.83	0.57	0.21	0.59	0.56	0.58	0.21	0.58	0.39
		Module D	0.33	0.37	0.69	1.00	0.38	0.32	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170214	FBSMV-63/2/05-A	Manufacturing	0.55	0.56	0.84	0.79	1.42	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	1.03	1.03	1.04	1.00	1.01	1.01	1.01	1.02	1.01	1.01	1.00	1.01	1.02
		End of Life	0.62	0.64	0.22	0.21	0.83	0.57	0.21	0.59	0.56	0.58	0.21	0.58	0.39
		Module D	0.33	0.37	0.69	1.00	0.38	0.32	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170145	FBSMV-63/2/1-S	Manufacturing	0.55	0.56	0.84	0.79	1.42	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	1.03	1.03	1.04	1.00	1.01	1.01	1.01	1.02	1.01	1.01	1.00	1.01	1.02
		End of Life	0.62	0.64	0.22	0.21	0.83	0.57	0.21	0.59	0.56	0.58	0.21	0.58	0.39
		Module D	0.33	0.37	0.69	1.00	0.38	0.32	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170178	FBSMV-63/2/003	Manufacturing	0.55	0.56	0.84	0.78	1.45	0.39	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.02	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.63	0.21	0.21	0.82	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.37	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
180633	FBSMV-63/2/003-400	Manufacturing	0.55	0.56	0.84	0.78	1.45	0.39	0.29	0.53	0.52	0.48	0.34	0.56	0.40

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.02	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.63	0.21	0.21	0.82	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.37	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
170208	FBSMV-63/2/003-A	Manufacturing	0.55	0.55	0.83	0.78	1.47	0.40	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.62	0.21	0.21	0.81	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.36	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
180627	FBSMV-63/2/003-A-400	Manufacturing	0.55	0.55	0.83	0.78	1.47	0.40	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.62	0.21	0.21	0.81	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.36	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
170210	FBSMV-63/2/01-A	Manufacturing	0.55	0.55	0.83	0.78	1.47	0.40	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.62	0.21	0.21	0.81	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.36	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
170212	FBSMV-63/2/03-A	Manufacturing	0.55	0.55	0.83	0.78	1.47	0.40	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.62	0.21	0.21	0.81	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.36	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
180631	FBSMV-63/2/03-A-120	Manufacturing	0.55	0.55	0.83	0.78	1.47	0.40	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.62	0.21	0.21	0.81	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.36	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
170216	FBSMV-63/2/1-A	Manufacturing	0.55	0.55	0.83	0.78	1.47	0.40	0.29	0.53	0.52	0.48	0.34	0.56	0.40
		Distribution	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
		Installation	1.03	1.02	1.04	1.00	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.00	1.01
		End of Life	0.61	0.62	0.21	0.21	0.81	0.56	0.21	0.58	0.55	0.57	0.21	0.57	0.38
		Module D	0.33	0.36	0.68	1.00	0.39	0.32	0.57	0.34	0.33	0.33	0.34	0.42	0.32
170240	FBSMV-40/2/01-S	Manufacturing	0.54	0.54	0.79	0.74	1.65	0.42	0.34	0.53	0.51	0.49	0.36	0.54	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.02	1.01	1.02	1.00	0.98	0.99	0.99	1.00	0.99	0.99	0.97	0.98	1.00
		End of Life	0.56	0.57	0.21	0.21	0.71	0.51	0.21	0.53	0.51	0.53	0.21	0.53	0.31
		Module D	0.32	0.36	0.65	1.00	0.40	0.35	0.56	0.34	0.33	0.34	0.36	0.40	0.34
170158	FBSMV-40/2/01-S/A	Manufacturing	0.54	0.54	0.79	0.74	1.65	0.42	0.34	0.53	0.51	0.49	0.36	0.54	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.02	1.01	1.02	1.00	0.98	0.99	0.99	1.00	0.99	0.99	0.97	0.98	1.00
		End of Life	0.56	0.57	0.21	0.21	0.71	0.51	0.21	0.53	0.51	0.53	0.21	0.53	0.31
		Module D	0.32	0.36	0.65	1.00	0.40	0.35	0.56	0.34	0.33	0.34	0.36	0.40	0.34
170160	FBSMV-40/2/03-S/A	Manufacturing	0.54	0.54	0.79	0.74	1.65	0.42	0.34	0.53	0.51	0.49	0.36	0.54	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.02	1.01	1.02	1.00	0.98	0.99	0.99	1.00	0.99	0.99	0.97	0.98	1.00
		End of Life	0.56	0.57	0.21	0.21	0.71	0.51	0.21	0.53	0.51	0.53	0.21	0.53	0.31
		Module D	0.32	0.36	0.65	1.00	0.40	0.35	0.56	0.34	0.33	0.34	0.36	0.40	0.34
170213	FBSMV-40/2/05-A	Manufacturing	0.54	0.54	0.79	0.74	1.65	0.42	0.34	0.53	0.51	0.49	0.36	0.54	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.02	1.01	1.02	1.00	0.98	0.99	0.99	1.00	0.99	0.99	0.97	0.98	1.00
		End of Life	0.56	0.57	0.21	0.21	0.71	0.51	0.21	0.53	0.51	0.53	0.21	0.53	0.31

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		Module D	0.32	0.36	0.65	1.00	0.40	0.35	0.56	0.34	0.33	0.34	0.36	0.40	0.34
170144	FBSMV-40/2/1-S	Manufacturing	0.54	0.54	0.79	0.74	1.65	0.42	0.34	0.53	0.51	0.49	0.36	0.54	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.02	1.01	1.02	1.00	0.98	0.99	0.99	1.00	0.99	0.99	0.97	0.98	1.00
		End of Life	0.56	0.57	0.21	0.21	0.71	0.51	0.21	0.53	0.51	0.53	0.21	0.53	0.31
		Module D	0.32	0.36	0.65	1.00	0.40	0.35	0.56	0.34	0.33	0.34	0.36	0.40	0.34
170180	FBSMV-63/2/01	Manufacturing	0.54	0.54	0.78	0.73	1.68	0.43	0.35	0.52	0.51	0.49	0.36	0.53	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.01	1.00	1.02	1.00	0.98	0.98	0.98	1.00	0.98	0.99	0.97	0.98	0.99
		End of Life	0.55	0.57	0.21	0.21	0.70	0.50	0.21	0.53	0.51	0.52	0.21	0.53	0.30
		Module D	0.32	0.36	0.64	1.00	0.41	0.36	0.56	0.35	0.33	0.34	0.36	0.39	0.34
170182	FBSMV-63/2/03	Manufacturing	0.54	0.54	0.78	0.73	1.68	0.43	0.35	0.52	0.51	0.49	0.36	0.53	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.01	1.00	1.02	1.00	0.98	0.98	0.98	1.00	0.98	0.99	0.97	0.98	0.99
		End of Life	0.55	0.57	0.21	0.21	0.70	0.50	0.21	0.53	0.51	0.52	0.21	0.53	0.30
		Module D	0.32	0.36	0.64	1.00	0.41	0.36	0.56	0.35	0.33	0.34	0.36	0.39	0.34
170184	FBSMV-63/2/05	Manufacturing	0.54	0.54	0.78	0.73	1.68	0.43	0.35	0.52	0.51	0.49	0.36	0.53	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.01	1.00	1.02	1.00	0.98	0.98	0.98	1.00	0.98	0.99	0.97	0.98	0.99
		End of Life	0.55	0.57	0.21	0.21	0.70	0.50	0.21	0.53	0.51	0.52	0.21	0.53	0.30
		Module D	0.32	0.36	0.64	1.00	0.41	0.36	0.56	0.35	0.33	0.34	0.36	0.39	0.34
170186	FBSMV-63/2/1	Manufacturing	0.54	0.54	0.78	0.73	1.68	0.43	0.35	0.52	0.51	0.49	0.36	0.53	0.43
		Distribution	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
		Installation	1.01	1.00	1.02	1.00	0.98	0.98	0.98	1.00	0.98	0.99	0.97	0.98	0.99
		End of Life	0.55	0.57	0.21	0.21	0.70	0.50	0.21	0.53	0.51	0.52	0.21	0.53	0.30
		Module D	0.32	0.36	0.64	1.00	0.41	0.36	0.56	0.35	0.33	0.34	0.36	0.39	0.34
170237	FBSMV-40/2/003-G	Manufacturing	0.53	0.53	0.73	0.69	1.86	0.47	0.41	0.52	0.51	0.49	0.39	0.50	0.46
		Distribution	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
		Installation	0.99	0.98	1.00	1.00	0.96	0.96	0.96	0.97	0.96	0.97	0.95	0.96	0.97
		End of Life	0.50	0.51	0.24	0.24	0.55	0.44	0.24	0.48	0.47	0.48	0.24	0.50	0.24
		Module D	0.32	0.35	0.61	1.00	0.43	0.40	0.55	0.35	0.34	0.36	0.38	0.38	0.37
170207	FBSMV-40/2/003-A	Manufacturing	0.53	0.53	0.72	0.68	1.89	0.47	0.42	0.52	0.51	0.50	0.39	0.50	0.47
		Distribution	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
		Installation	0.99	0.98	1.00	1.00	0.95	0.96	0.96	0.97	0.96	0.96	0.94	0.95	0.97
		End of Life	0.49	0.50	0.25	0.25	0.51	0.42	0.25	0.47	0.47	0.47	0.25	0.50	0.23
		Module D	0.32	0.35	0.61	1.00	0.43	0.40	0.55	0.36	0.35	0.36	0.39	0.37	0.38
180622	FBSMV-40/2/003-A-120	Manufacturing	0.53	0.53	0.72	0.68	1.89	0.47	0.42	0.52	0.51	0.50	0.39	0.50	0.47
		Distribution	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
		Installation	0.99	0.98	1.00	1.00	0.95	0.96	0.96	0.97	0.96	0.96	0.94	0.95	0.97
		End of Life	0.49	0.50	0.25	0.25	0.51	0.42	0.25	0.47	0.47	0.47	0.25	0.50	0.23
		Module D	0.32	0.35	0.61	1.00	0.43	0.40	0.55	0.36	0.35	0.36	0.39	0.37	0.38
180623	FBSMV-40/2/003-A-400	Manufacturing	0.53	0.53	0.72	0.68	1.89	0.47	0.42	0.52	0.51	0.50	0.39	0.50	0.47
		Distribution	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
		Installation	0.99	0.98	1.00	1.00	0.95	0.96	0.96	0.97	0.96	0.96	0.94	0.95	0.97
		End of Life	0.49	0.50	0.25	0.25	0.51	0.42	0.25	0.47	0.47	0.47	0.25	0.50	0.23
		Module D	0.32	0.35	0.61	1.00	0.43	0.40	0.55	0.36	0.35	0.36	0.39	0.37	0.38
180626	FBSMV-63/2/003-A-120	Manufacturing	0.53	0.53	0.72	0.68	1.89	0.47	0.42	0.52	0.51	0.50	0.39	0.50	0.47
		Distribution	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
		Installation	0.99	0.98	1.00	1.00	0.95	0.96	0.96	0.97	0.96	0.96	0.94	0.95	0.97
		End of Life	0.49	0.50	0.25	0.25	0.51	0.42	0.25	0.47	0.47	0.47	0.25	0.50	0.23
		Module D	0.32	0.35	0.61	1.00	0.43	0.40	0.55	0.36	0.35	0.36	0.39	0.37	0.38
170177	FBSMV-40/2/003	Manufacturing	0.53	0.54	0.76	0.71	1.75	0.44	0.37	0.52	0.51	0.49	0.37	0.52	0.44
		Distribution	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56

Part Number	Product Description	Phases	GWP (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	POCP (kg NMVOC eq.)	ADP-e (kg Sb eq.)	ADP-f (MJ)	WDP (m ³ eq.)
		Installation	1.00	0.99	1.01	1.00	0.97	0.97	0.97	0.99	0.98	0.98	0.96	0.97	0.99
		End of Life	0.53	0.54	0.22	0.22	0.64	0.47	0.22	0.51	0.49	0.51	0.22	0.52	0.28
		Module D	0.32	0.35	0.63	1.00	0.41	0.37	0.56	0.35	0.34	0.35	0.37	0.39	0.35
180632	FBSMV-40/2/003-400	Manufacturing	0.52	0.53	0.70	0.66	1.94	0.48	0.44	0.52	0.51	0.50	0.40	0.49	0.48
		Distribution	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
		Installation	0.98	0.97	0.99	1.00	0.95	0.95	0.95	0.96	0.95	0.95	0.94	0.95	0.96
		End of Life	0.47	0.48	0.26	0.26	0.46	0.40	0.26	0.46	0.46	0.46	0.26	0.49	0.21
		Module D	0.32	0.35	0.60	1.00	0.44	0.42	0.55	0.36	0.35	0.37	0.39	0.37	0.39
170142	FBSMV-40/2/03-S	Manufacturing	0.52	0.53	0.70	0.66	1.95	0.49	0.44	0.52	0.51	0.50	0.40	0.49	0.48
		Distribution	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
		Installation	0.98	0.97	0.99	1.00	0.95	0.95	0.95	0.96	0.95	0.95	0.93	0.95	0.96
		End of Life	0.47	0.48	0.27	0.26	0.45	0.40	0.26	0.45	0.46	0.46	0.26	0.49	0.21
		Module D	0.32	0.35	0.60	1.00	0.44	0.42	0.54	0.36	0.35	0.37	0.40	0.37	0.39
170209	FBSMV-40/2/01-A	Manufacturing	0.52	0.53	0.69	0.65	1.99	0.50	0.46	0.52	0.51	0.50	0.41	0.48	0.49
		Distribution	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
		Installation	0.97	0.96	0.98	1.00	0.94	0.94	0.94	0.95	0.94	0.95	0.93	0.94	0.95
		End of Life	0.45	0.46	0.28	0.28	0.40	0.38	0.28	0.44	0.45	0.45	0.28	0.49	0.20
		Module D	0.32	0.35	0.59	1.00	0.45	0.43	0.54	0.36	0.35	0.37	0.40	0.36	0.40
170211	FBSMV-40/2/03-A	Manufacturing	0.52	0.53	0.69	0.65	1.99	0.50	0.46	0.52	0.51	0.50	0.41	0.48	0.49
		Distribution	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
		Installation	0.97	0.96	0.98	1.00	0.94	0.94	0.94	0.95	0.94	0.95	0.93	0.94	0.95
		End of Life	0.45	0.46	0.28	0.28	0.40	0.38	0.28	0.44	0.45	0.45	0.28	0.49	0.20
		Module D	0.32	0.35	0.59	1.00	0.45	0.43	0.54	0.36	0.35	0.37	0.40	0.36	0.40
180630	FBSMV-40/2/03-A-120	Manufacturing	0.52	0.53	0.69	0.65	1.99	0.50	0.46	0.52	0.51	0.50	0.41	0.48	0.49
		Distribution	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
		Installation	0.97	0.96	0.98	1.00	0.94	0.94	0.94	0.95	0.94	0.95	0.93	0.94	0.95
		End of Life	0.45	0.46	0.28	0.28	0.40	0.38	0.28	0.44	0.45	0.45	0.28	0.49	0.20
		Module D	0.32	0.35	0.59	1.00	0.45	0.43	0.54	0.36	0.35	0.37	0.40	0.36	0.40
170215	FBSMV-40/2/1-A	Manufacturing	0.52	0.53	0.69	0.65	1.99	0.50	0.46	0.52	0.51	0.50	0.41	0.48	0.49
		Distribution	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
		Installation	0.97	0.96	0.98	1.00	0.94	0.94	0.94	0.95	0.94	0.95	0.93	0.94	0.95
		End of Life	0.45	0.46	0.28	0.28	0.40	0.38	0.28	0.44	0.45	0.45	0.28	0.49	0.20
		Module D	0.32	0.35	0.59	1.00	0.45	0.43	0.54	0.36	0.35	0.37	0.40	0.36	0.40
170185	FBSMV-40/2/1	Manufacturing	0.55	0.56	0.85	0.79	1.40	0.39	0.28	0.53	0.52	0.48	0.34	0.57	0.39
		Distribution	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
		Installation	0.65	0.67	0.64	1.00	0.71	0.71	0.71	0.69	0.70	0.70	0.73	0.71	0.69
		End of Life	0.45	0.46	0.28	0.28	0.40	0.38	0.28	0.44	0.45	0.45	0.28	0.49	0.20
		Module D	0.33	0.37	0.69	1.00	0.38	0.31	0.58	0.34	0.33	0.32	0.34	0.42	0.31
170179	FBSMV-40/2/01	Manufacturing	0.52	0.52	0.67	0.64	2.04	0.51	0.47	0.52	0.51	0.50	0.42	0.48	0.50
		Distribution	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
		Installation	0.96	0.95	0.97	1.00	0.93	0.93	0.93	0.95	0.93	0.94	0.92	0.93	0.94
		End of Life	0.44	0.44	0.30	0.29	0.34	0.36	0.29	0.43	0.44	0.44	0.29	0.49	0.18
		Module D	0.33	0.35	0.58	1.00	0.45	0.44	0.54	0.37	0.36	0.38	0.41	0.36	0.40
170181	FBSMV-40/2/03	Manufacturing	0.52	0.52	0.67	0.64	2.04	0.51	0.47	0.52	0.51	0.50	0.42	0.48	0.50
		Distribution	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
		Installation	0.96	0.95	0.97	1.00	0.93	0.93	0.93	0.95	0.93	0.94	0.92	0.93	0.94
		End of Life	0.44	0.44	0.30	0.29	0.34	0.36	0.29	0.43	0.44	0.44	0.29	0.49	0.18
		Module D	0.33	0.35	0.58	1.00	0.45	0.44	0.54	0.37	0.36	0.38	0.41	0.36	0.40
170183	FBSMV-40/2/05	Manufacturing	0.52	0.52	0.67	0.64	2.04	0.51	0.47	0.52	0.51	0.50	0.42	0.48	0.50
		Distribution	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
		Installation	0.96	0.95	0.97	1.00	0.93	0.93	0.93	0.95	0.93	0.94	0.92	0.93	0.94
		End of Life	0.44	0.44	0.30	0.29	0.34	0.36	0.29	0.43	0.44	0.44	0.29	0.49	0.18
		Module D	0.33	0.35	0.58	1.00	0.45	0.44	0.54	0.37	0.36	0.38	0.41	0.36	0.40

Multiplying Factors for Use Phase for homogenous products:

Part Number	Description	Multiplication Factor for Use Phase
170157 (reference)	FBSMV-63/4/1-S	1.00
170153	FBSMV-63/4/01-S	1.00
170167	FBSMV-63/4/01-S/A	1.00
170155	FBSMV-63/4/03-S	1.00
170169	FBSMV-63/4/03-S/A	1.00
170198	FBSMV-63/4/003	1.00
170228	FBSMV-63/4/003-A	1.00
180629	FBSMV-63/4/003-A-230	1.00
170230	FBSMV-63/4/01-A	1.00
170232	FBSMV-63/4/03-A	1.00
170236	FBSMV-63/4/1-A	1.00
170234	FBSMV-63/4/05-A	1.00
170200	FBSMV-63/4/01	1.00
170202	FBSMV-63/4/03	1.00
170206	FBSMV-63/4/1	1.00
170204	FBSMV-63/4/05	1.00
170218	FBSMV-63/3/003-A	0.92
180628	FBSMV-63/3/003-A-230	0.92
170239	FBSMV-40/4/003-G	0.88
170188	FBSMV-63/3/003	0.92
170152	FBSMV-40/4/01-S	0.88
170166	FBSMV-40/4/01-S/A	0.88
170154	FBSMV-40/4/03-S	0.88
170168	FBSMV-40/4/03-S/A	0.88
170227	FBSMV-40/4/003-A	0.88
180625	FBSMV-40/4/003-A-230	0.88
170156	FBSMV-40/4/1-S	0.88
170220	FBSMV-63/3/01-A	0.92
170147	FBSMV-63/3/01-S	0.92
170163	FBSMV-63/3/01-S/A	0.92
170222	FBSMV-63/3/03-A	0.92
170149	FBSMV-63/3/03-S	0.92
170165	FBSMV-63/3/03-S/A	0.92
170224	FBSMV-63/3/05-A	0.92
170226	FBSMV-63/3/1-A	0.92
170151	FBSMV-63/3/1-S	0.92
170197	FBSMV-40/4/003	0.88
170190	FBSMV-63/3/01	0.92
170192	FBSMV-63/3/03	0.92
170194	FBSMV-63/3/05	0.92
170196	FBSMV-63/3/1	0.92
170229	FBSMV-40/4/01-A	0.88
170235	FBSMV-40/4/1-A	0.88
170199	FBSMV-40/4/01	0.88
170233	FBSMV-40/4/05-A	0.88
170231	FBSMV-40/4/03-A	0.88
170238	FBSMV-40/3/003-G	0.80
170146	FBSMV-40/3/01-S	0.80
170162	FBSMV-40/3/01-S/A	0.80
170148	FBSMV-40/3/03-S	0.80

Part Number	Description	Multiplication Factor for Use Phase
170164	FBSMV-40/3/03-S/A	0.80
170150	FBSMV-40/3/1-S	0.80
170201	FBSMV-40/4/03	0.88
170203	FBSMV-40/4/05	0.88
170205	FBSMV-40/4/1	0.88
170217	FBSMV-40/3/003-A	0.80
180624	FBSMV-40/3/003-A-230	0.80
170187	FBSMV-40/3/003	0.80
170219	FBSMV-40/3/01-A	0.80
170221	FBSMV-40/3/03-A	0.80
170223	FBSMV-40/3/05-A	0.80
170225	FBSMV-40/3/1-A	0.80
170189	FBSMV-40/3/01	0.80
170191	FBSMV-40/3/03	0.80
170193	FBSMV-40/3/05	0.80
170195	FBSMV-40/3/1	0.80
170241	FBSMV-63/2/01-S	0.68
170159	FBSMV-63/2/01-S/A	0.68
170143	FBSMV-63/2/03-S	0.68
170161	FBSMV-63/2/03-S/A	0.68
170214	FBSMV-63/2/05-A	0.68
170145	FBSMV-63/2/1-S	0.68
170178	FBSMV-63/2/003	0.68
180633	FBSMV-63/2/003-400	0.68
170208	FBSMV-63/2/003-A	0.68
180627	FBSMV-63/2/003-A-400	0.68
170210	FBSMV-63/2/01-A	0.68
170212	FBSMV-63/2/03-A	0.68
180631	FBSMV-63/2/03-A-120	0.68
170216	FBSMV-63/2/1-A	0.68
170240	FBSMV-40/2/01-S	0.52
170158	FBSMV-40/2/01-S/A	0.52
170160	FBSMV-40/2/03-S/A	0.52
170213	FBSMV-40/2/05-A	0.52
170144	FBSMV-40/2/1-S	0.52
170180	FBSMV-63/2/01	0.68
170182	FBSMV-63/2/03	0.68
170184	FBSMV-63/2/05	0.68
170186	FBSMV-63/2/1	0.68
170237	FBSMV-40/2/003-G	1.59
170207	FBSMV-40/2/003-A	1.59
180622	FBSMV-40/2/003-A-120	1.59
180623	FBSMV-40/2/003-A-400	1.59
180626	FBSMV-63/2/003-A-120	0.68
170177	FBSMV-40/2/003	1.06
180632	FBSMV-40/2/003-400	1.59
170142	FBSMV-40/2/03-S	0.52
170209	FBSMV-40/2/01-A	0.52
170211	FBSMV-40/2/03-A	0.52
180630	FBSMV-40/2/03-A-120	0.52
170215	FBSMV-40/2/1-A	0.52
170185	FBSMV-40/2/1	0.52
170179	FBSMV-40/2/01	1.59
170181	FBSMV-40/2/03	0.52
170183	FBSMV-40/2/05	0.52

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Registration Number	EATO-00316-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
Verifier accreditation Number	VH53	Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Date of issue	03-2025	Information and reference documents	www.pep-ecopassport.org
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025: 2006			
Internal	X	External	
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 The components of the present PEP may not be compared with components from any other program.			
Document complies with ISO 14025: 2006 « Environmental labels and declarations. Type III environmental declarations »			