This appendix refers to the EPD MD-24121-EN, developed according to EN15804+A2:2019.
Results in the appendix communicates LCA results in the format described in EN15804+A1:2013, in order to accommodate a need in the transition period between the two standard revisions. The appendix cannot stand alone, as the reference EPD describes the basis of the assessment.

MicroVent

MV2

ENVIRONMENTAL IMPACTS PER 1 piece MV2													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	2.61E+02	1.98E-01	2.13E+00	2.63E+02	0.00E+00	1.13E+02	0.00E+00	0.00E+00	1.32E-02	5.52E-01	4.53E-04	-4.49E+00
ODP	[kg CFC11-eq.]	1.84E-05	2.19E-14	4.82E-10	1.84E-05	0.00E+00	4.13E-09	0.00E+00	0.00E+00	2.32E-15	8.67E-10	1.70E-15	-2.24E-11
AP	[kg SO_2-eq.]	1.29E+00	2.10E-03	1.95E-02	1.31E+00	0.00E+00	1.72E-01	0.00E+00	0.00E+00	1.52E-05	2.88E-04	2.32E-06	-1.11E-02
EP	[kg PO_4^{3-}-eq.]	1.61E+00	4.15E-04	4.23E-03	1.62E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	3.45E-06	1.03E-03	2.47E-07	-9.04E-04
POCP	[kg ethene-eq.]	1.16E-01	1.31E-04	2.73E-03	1.18E-01	0.00E+00	1.98E-02	0.00E+00	0.00E+00	-5.99E-07	4.40E-05	2.07E-07	-1.57E-03
ADPE	[kg Sb-eq.]	8.95E-02	1.13E-08	1.85E-06	8.95E-02	0.00E+00	6.17E-05	0.00E+00	0.00E+00	1.16E-09	2.42E-07	3.18E-11	-2.67E-04
ADPF	[MJ]	3.66E+03	2.38E+00	8.74E+01	3.75E+03	0.00E+00	1.01E+03	0.00E+00	0.00E+00	1.73E-01	8.89E-01	7.30E-03	-1.32E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV2													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	3.86E+02	5.86E-02	1.48E+02	5.35E+02	0.00E+00	5.37E+03	0.00E+00	0.00E+00	1.52E-02	7.52E-02	1.14E-03	-1.54E+01
PERM	[MJ]	4.96E+00	0.00E+00	6.67E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	3.91E+02	5.86E-02	2.15E+02	6.06E+02	0.00E+00	5.37E+03	0.00E+00	0.00E+00	1.52E-02	7.52E-02	1.14E-03	-1.54E+01
PENRE	[MJ]	4.05E+03	2.48E+00	1.08E+02	4.16E+03	0.00E+00	1.43E+03	0.00E+00	0.00E+00	1.76E-01	8.33E+01	7.70E-03	-1.33E+02
PENRM	[MJ]	9.57E+01	0.00E+00	-1.10E+01	8.46E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-8.24E+01	0.00E+00	0.00E+00
PENRT	[MJ]	4.14E+03	2.48E+00	9.70E+01	4.24E+03	0.00E+00	1.43E+03	0.00E+00	0.00E+00	1.76E-01	9.45E-01	7.70E-03	-1.33E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	2.19E+00	6.98E-05	3.87E-02	2.23E+00	0.00E+00	1.96E+00	0.00E+00	0.00E+00	1.69E-05	-5.53E-03	1.72E-06	-1.75E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV2													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1.13E+01	1.30E-10	5.99E-05	1.13E+01	0.00E+00	1.30E-05	0.00E+00	0.00E+00	6.74E-12	1.87E-03	1.83E-12	2.09E-07
NHWD	[kg]	1.67E-01	2.14E-04	2.33E-01	4.01E-01	0.00E+00	7.51E+00	0.00E+00	0.00E+00	2.87E-05	1.93E-03	2.23E-02	5.98E-03
RWD	[kg]	2.45E-03	3.47E-06	3.31E-03	5.76E-03	0.00E+00	1.49E-01	0.00E+00	0.00E+00	3.20E-07	3.23E-06	1.05E-07	-2.00E-05

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	8.14E-02	8.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

MV3

ENVIRONMENTAL IMPACTS PER 1 piece MV3													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	3.20E+02	2.34E-01	3.72E+00	3.24E+02	0.00E+00	1.43E+02	0.00E+00	0.00E+00	1.71E-02	7.54E-01	5.74E-04	-5.70E+00
ODP	[kg CFC11-eq.]	2.37E-05	2.62E-14	5.79E-10	2.37E-05	0.00E+00	5.24E-09	0.00E+00	0.00E+00	3.00E-15	1.08E-09	2.16E-15	-3.00E-11
AP	[kg SO_2-eq.]	1.54E+00	2.46E-03	2.29E-02	1.57E+00	0.00E+00	2.18E-01	0.00E+00	0.00E+00	1.97E-05	3.50E-04	2.95E-06	-1.31E-02
EP	[kg PO_4^{3-}-eq.]	1.87E+00	4.86E-04	4.97E-03	1.88E+00	0.00E+00	4.79E-02	0.00E+00	0.00E+00	4.47E-06	1.42E-03	3.14E-07	-1.13E-03
POCP	[kg ethene-eq.]	1.40E-01	1.52E-04	3.22E-03	1.43E-01	0.00E+00	2.51E-02	0.00E+00	0.00E+00	-7.77E-07	5.46E-05	2.63E-07	-1.97E-03
ADPE	[kg Sb-eq.]	9.32E-02	1.35E-08	2.18E-06	9.32E-02	0.00E+00	7.84E-05	0.00E+00	0.00E+00	1.50E-09	2.98E-07	4.04E-11	-2.91E-04
ADPF	[MJ]	4.48E+03	2.83E+00	1.03E+02	4.59E+03	0.00E+00	1.29E+03	0.00E+00	0.00E+00	2.24E-01	1.10E+00	9.26E-03	-1.73E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV3													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	4.77E+02	7.26E-02	1.87E+02	6.64E+02	0.00E+00	6.82E+03	0.00E+00	0.00E+00	1.96E-02	9.96E-02	1.45E-03	-2.07E+01
PERM	[MJ]	5.03E+00	0.00E+00	6.66E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	4.82E+02	7.26E-02	2.54E+02	7.36E+02	0.00E+00	6.82E+03	0.00E+00	0.00E+00	1.96E-02	9.96E-02	1.45E-03	-2.07E+01
PENRE	[MJ]	4.94E+03	2.94E+00	1.30E+02	5.08E+03	0.00E+00	1.82E+03	0.00E+00	0.00E+00	2.28E-01	1.16E+02	9.77E-03	-1.75E+02
PENRM	[MJ]	1.33E+02	0.00E+00	-1.61E+01	1.17E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.15E+02	0.00E+00	0.00E+00
PENRT	[MJ]	5.08E+03	2.94E+00	1.14E+02	5.19E+03	0.00E+00	1.82E+03	0.00E+00	0.00E+00	2.28E-01	1.17E+00	9.77E-03	-1.75E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	2.67E+00	8.61E-05	4.50E-02	2.72E+00	0.00E+00	2.48E+00	0.00E+00	0.00E+00	2.19E-05	-7.70E-03	2.18E-06	-2.23E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV3													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1.37E+01	1.54E-10	8.27E-05	1.37E+01	0.00E+00	1.66E-05	0.00E+00	0.00E+00	8.73E-12	2.34E-03	2.33E-12	2.81E-07
NHWD	[kg]	2.22E-01	2.58E-04	2.74E-01	4.96E-01	0.00E+00	9.53E+00	0.00E+00	0.00E+00	3.72E-05	2.67E-03	2.83E-02	5.00E-02
RWD	[kg]	3.39E-03	4.14E-06	3.91E-03	7.31E-03	0.00E+00	1.89E-01	0.00E+00	0.00E+00	4.15E-07	4.47E-06	1.33E-07	-3.17E-05

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	1.15E-01	1.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

MV4

ENVIRONMENTAL IMPACTS PER 1 piece MV4													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	3.78E+02	2.68E-01	4.96E+00	3.84E+02	0.00E+00	1.70E+02	0.00E+00	0.00E+00	2.08E-02	9.41E-01	6.96E-04	-6.84E+00
ODP	[kg CFC11-eq.]	2.90E-05	3.01E-14	6.59E-10	2.90E-05	0.00E+00	6.24E-09	0.00E+00	0.00E+00	3.64E-15	1.28E-09	2.61E-15	-3.69E-11
AP	[kg SO_2-eq.]	1.79E+00	2.81E-03	2.59E-02	1.82E+00	0.00E+00	2.60E-01	0.00E+00	0.00E+00	2.39E-05	4.08E-04	3.57E-06	-1.50E-02
EP	[kg PO_4^{3-}-eq.]	2.13E+00	5.55E-04	5.61E-03	2.13E+00	0.00E+00	5.70E-02	0.00E+00	0.00E+00	5.42E-06	1.77E-03	3.81E-07	-1.35E-03
POCP	[kg ethene-eq.]	1.63E-01	1.74E-04	3.64E-03	1.66E-01	0.00E+00	2.99E-02	0.00E+00	0.00E+00	-9.42E-07	6.46E-05	3.19E-07	-2.36E-03
ADPE	[kg Sb-eq.]	9.69E-02	1.54E-08	2.45E-06	9.69E-02	0.00E+00	9.33E-05	0.00E+00	0.00E+00	1.82E-09	3.53E-07	4.89E-11	-3.15E-04
ADPF	[MJ]	5.30E+03	3.25E+00	1.16E+02	5.42E+03	0.00E+00	1.53E+03	0.00E+00	0.00E+00	2.71E-01	1.29E+00	1.12E-02	-2.12E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV4													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	5.68E+02	8.37E-02	2.19E+02	7.87E+02	0.00E+00	8.12E+03	0.00E+00	0.00E+00	2.38E-02	1.22E-01	1.76E-03	-2.57E+01
PERM	[MJ]	5.10E+00	0.00E+00	6.65E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	5.73E+02	8.37E-02	2.86E+02	8.59E+02	0.00E+00	8.12E+03	0.00E+00	0.00E+00	2.38E-02	1.22E-01	1.76E-03	-2.57E+01
PENRE	[MJ]	5.84E+03	3.37E+00	1.48E+02	5.99E+03	0.00E+00	2.17E+03	0.00E+00	0.00E+00	2.76E-01	1.45E+02	1.18E-02	-2.14E+02
PENRM	[MJ]	1.66E+02	0.00E+00	-1.97E+01	1.46E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.44E+02	0.00E+00	0.00E+00
PENRT	[MJ]	6.01E+03	3.37E+00	1.28E+02	6.14E+03	0.00E+00	2.17E+03	0.00E+00	0.00E+00	2.76E-01	1.38E+00	1.18E-02	-2.14E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	3.16E+00	9.92E-05	5.01E-02	3.21E+00	0.00E+00	2.96E+00	0.00E+00	0.00E+00	2.65E-05	-9.70E-03	2.64E-06	-2.68E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV4													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1.60E+01	1.76E-10	1.05E-04	1.60E+01	0.00E+00	1.97E-05	0.00E+00	0.00E+00	1.06E-11	2.79E-03	2.82E-12	3.48E-07
NHWD	[kg]	2.72E-01	2.96E-04	3.08E-01	5.81E-01	0.00E+00	1.14E+01	0.00E+00	0.00E+00	4.51E-05	3.36E-03	3.43E-02	8.95E-02
RWD	[kg]	4.29E-03	4.75E-06	4.40E-03	8.69E-03	0.00E+00	2.25E-01	0.00E+00	0.00E+00	5.04E-07	5.62E-06	1.61E-07	-4.16E-05

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	1.49E-01	1.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

MV5

ENVIRONMENTAL IMPACTS PER 1 piece MV5													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	4.37E+02	3.04E-01	6.39E+00	4.44E+02	0.00E+00	2.00E+02	0.00E+00	0.00E+00	2.45E-02	1.14E+00	8.20E-04	-8.01E+00
ODP	[kg CFC11-eq.]	3.43E-05	3.41E-14	7.48E-10	3.43E-05	0.00E+00	7.35E-09	0.00E+00	0.00E+00	4.30E-15	1.49E-09	3.08E-15	-4.42E-11
AP	[kg SO_2-eq.]	2.04E+00	3.17E-03	2.91E-02	2.08E+00	0.00E+00	3.06E-01	0.00E+00	0.00E+00	2.83E-05	4.68E-04	4.21E-06	-1.70E-02
EP	[kg PO_4^{3-}-eq.]	2.38E+00	6.25E-04	6.31E-03	2.39E+00	0.00E+00	6.71E-02	0.00E+00	0.00E+00	6.40E-06	2.14E-03	4.48E-07	-1.57E-03
POCP	[kg ethene-eq.]	1.86E-01	1.96E-04	4.10E-03	1.90E-01	0.00E+00	3.52E-02	0.00E+00	0.00E+00	-1.11E-06	7.49E-05	3.76E-07	-2.75E-03
ADPE	[kg Sb-eq.]	1.01E-01	1.75E-08	2.76E-06	1.01E-01	0.00E+00	1.10E-04	0.00E+00	0.00E+00	2.15E-09	4.09E-07	5.76E-11	-3.39E-04
ADPF	[MJ]	6.13E+03	3.68E+00	1.30E+02	6.26E+03	0.00E+00	1.80E+03	0.00E+00	0.00E+00	3.21E-01	1.50E+00	1.32E-02	-2.52E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV5													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	6.59E+02	9.62E-02	2.55E+02	9.14E+02	0.00E+00	9.55E+03	0.00E+00	0.00E+00	2.81E-02	1.46E-01	2.07E-03	-3.08E+01
PERM	[MJ]	5.17E+00	0.00E+00	6.65E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	6.64E+02	9.62E-02	3.21E+02	9.86E+02	0.00E+00	9.55E+03	0.00E+00	0.00E+00	2.81E-02	1.46E-01	2.07E-03	-3.08E+01
PENRE	[MJ]	6.74E+03	3.82E+00	1.68E+02	6.91E+03	0.00E+00	2.55E+03	0.00E+00	0.00E+00	3.27E-01	1.76E+02	1.40E-02	-2.55E+02
PENRM	[MJ]	2.01E+02	0.00E+00	-2.40E+01	1.77E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.75E+02	0.00E+00	0.00E+00
PENRT	[MJ]	6.94E+03	3.82E+00	1.44E+02	7.09E+03	0.00E+00	2.55E+03	0.00E+00	0.00E+00	3.27E-01	1.60E+00	1.40E-02	-2.55E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	3.64E+00	1.14E-04	5.59E-02	3.70E+00	0.00E+00	3.48E+00	0.00E+00	0.00E+00	3.14E-05	-1.18E-02	3.11E-06	-3.15E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV5													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1.84E+01	1.99E-10	1.28E-04	1.84E+01	0.00E+00	2.32E-05	0.00E+00	0.00E+00	1.25E-11	3.26E-03	3.32E-12	4.17E-07
NHWD	[kg]	3.24E-01	3.37E-04	3.46E-01	6.71E-01	0.00E+00	1.34E+01	0.00E+00	0.00E+00	5.34E-05	4.07E-03	4.05E-02	1.31E-01
RWD	[kg]	5.20E-03	5.39E-06	4.94E-03	1.01E-02	0.00E+00	2.65E-01	0.00E+00	0.00E+00	5.95E-07	6.82E-06	1.89E-07	-5.23E-05

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	1.83E-01	1.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

MV6

ENVIRONMENTAL IMPACTS PER 1 piece MV6													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	4.96E+02	3.39E-01	7.76E+00	5.04E+02	0.00E+00	2.28E+02	0.00E+00	0.00E+00	2.83E-02	1.33E+00	9.42E-04	-9.18E+00
ODP	[kg CFC11-eq.]	3.97E-05	3.82E-14	8.32E-10	3.97E-05	0.00E+00	8.36E-09	0.00E+00	0.00E+00	4.96E-15	1.69E-09	3.54E-15	-5.14E-11
AP	[kg SO_2-eq.]	2.29E+00	3.52E-03	3.23E-02	2.33E+00	0.00E+00	3.48E-01	0.00E+00	0.00E+00	3.26E-05	5.27E-04	4.83E-06	-1.89E-02
EP	[kg PO_4^{3-}-eq.]	2.64E+00	6.95E-04	7.01E-03	2.65E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	7.38E-06	2.51E-03	5.15E-07	-1.79E-03
POCP	[kg ethene-eq.]	2.09E-01	2.18E-04	4.56E-03	2.14E-01	0.00E+00	4.00E-02	0.00E+00	0.00E+00	-1.28E-06	8.51E-05	4.31E-07	-3.15E-03
ADPE	[kg Sb-eq.]	1.04E-01	1.96E-08	3.05E-06	1.04E-01	0.00E+00	1.25E-04	0.00E+00	0.00E+00	2.48E-09	4.64E-07	6.62E-11	-3.62E-04
ADPF	[MJ]	6.95E+03	4.11E+00	1.44E+02	7.10E+03	0.00E+00	2.05E+03	0.00E+00	0.00E+00	3.70E-01	1.70E+00	1.52E-02	-2.93E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV6													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	7.50E+02	1.09E-01	2.90E+02	1.04E+03	0.00E+00	1.09E+04	0.00E+00	0.00E+00	3.25E-02	1.70E-01	2.38E-03	-3.60E+01
PERM	[MJ]	5.24E+00	0.00E+00	6.64E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	7.55E+02	1.09E-01	3.56E+02	1.11E+03	0.00E+00	1.09E+04	0.00E+00	0.00E+00	3.25E-02	1.70E-01	2.38E-03	-3.60E+01
PENRE	[MJ]	7.63E+03	4.26E+00	1.88E+02	7.83E+03	0.00E+00	2.90E+03	0.00E+00	0.00E+00	3.77E-01	2.07E+02	1.60E-02	-2.95E+02
PENRM	[MJ]	2.36E+02	0.00E+00	-2.83E+01	2.08E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.05E+02	0.00E+00	0.00E+00
PENRT	[MJ]	7.87E+03	4.26E+00	1.59E+02	8.03E+03	0.00E+00	2.90E+03	0.00E+00	0.00E+00	3.77E-01	1.82E+00	1.60E-02	-2.95E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	4.12E+00	1.29E-04	6.16E-02	4.19E+00	0.00E+00	3.96E+00	0.00E+00	0.00E+00	3.62E-05	-1.39E-02	3.58E-06	-3.61E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV6													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2.07E+01	2.22E-10	1.51E-04	2.07E+01	0.00E+00	2.64E-05	0.00E+00	0.00E+00	1.44E-11	3.71E-03	3.82E-12	4.86E-07
NHWD	[kg]	3.77E-01	3.78E-04	3.83E-01	7.60E-01	0.00E+00	1.52E+01	0.00E+00	0.00E+00	6.15E-05	4.79E-03	4.65E-02	1.73E-01
RWD	[kg]	6.12E-03	6.03E-06	5.45E-03	1.16E-02	0.00E+00	3.02E-01	0.00E+00	0.00E+00	6.86E-07	8.01E-06	2.18E-07	-6.31E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	2.17E-01	2.17E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

MV7

ENVIRONMENTAL IMPACTS PER 1 piece MV7													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	5.55E+02	3.80E-01	9.46E+00	5.65E+02	0.00E+00	2.58E+02	0.00E+00	0.00E+00	3.28E-02	1.57E+00	1.06E-03	-1.06E+01
ODP	[kg CFC11-eq.]	4.50E-05	4.33E-14	9.21E-10	4.50E-05	0.00E+00	9.46E-09	0.00E+00	0.00E+00	5.75E-15	1.94E-09	3.99E-15	-6.03E-11
AP	[kg SO_2-eq.]	2.55E+00	3.88E-03	3.55E-02	2.59E+00	0.00E+00	3.94E-01	0.00E+00	0.00E+00	3.78E-05	5.97E-04	5.46E-06	-2.12E-02
EP	[kg PO_4^{3-}-eq.]	2.89E+00	7.67E-04	7.70E-03	2.90E+00	0.00E+00	8.64E-02	0.00E+00	0.00E+00	8.56E-06	2.96E-03	5.81E-07	-2.05E-03
POCP	[kg ethene-eq.]	2.37E-01	2.39E-04	5.02E-03	2.42E-01	0.00E+00	4.53E-02	0.00E+00	0.00E+00	-1.49E-06	9.73E-05	4.87E-07	-3.62E-03
ADPE	[kg Sb-eq.]	1.08E-01	2.22E-08	3.35E-06	1.08E-01	0.00E+00	1.41E-04	0.00E+00	0.00E+00	2.88E-09	5.25E-07	7.47E-11	-3.87E-04
ADPF	[MJ]	7.79E+03	4.61E+00	1.58E+02	7.95E+03	0.00E+00	2.32E+03	0.00E+00	0.00E+00	4.29E-01	1.94E+00	1.71E-02	-3.41E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV7													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	8.41E+02	1.28E-01	3.25E+02	1.17E+03	0.00E+00	1.23E+04	0.00E+00	0.00E+00	3.76E-02	1.98E-01	2.69E-03	-4.23E+01
PERM	[MJ]	5.31E+00	0.00E+00	6.63E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	8.47E+02	1.28E-01	3.91E+02	1.24E+03	0.00E+00	1.23E+04	0.00E+00	0.00E+00	3.76E-02	1.98E-01	2.69E-03	-4.23E+01
PENRE	[MJ]	8.54E+03	4.78E+00	2.11E+02	8.76E+03	0.00E+00	3.29E+03	0.00E+00	0.00E+00	4.37E-01	2.44E+02	1.81E-02	-3.44E+02
PENRM	[MJ]	2.81E+02	0.00E+00	-3.59E+01	2.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.42E+02	0.00E+00	0.00E+00
PENRT	[MJ]	8.82E+03	4.78E+00	1.75E+02	9.00E+03	0.00E+00	3.29E+03	0.00E+00	0.00E+00	4.37E-01	2.08E+00	1.81E-02	-3.44E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	4.61E+00	1.50E-04	6.78E-02	4.68E+00	0.00E+00	4.48E+00	0.00E+00	0.00E+00	4.19E-05	-1.64E-02	4.04E-06	-4.17E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV7													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2.31E+01	2.48E-10	1.73E-04	2.31E+01	0.00E+00	2.99E-05	0.00E+00	0.00E+00	1.67E-11	4.25E-03	4.31E-12	5.70E-07
NHWD	[kg]	4.39E-01	4.31E-04	4.21E-01	8.61E-01	0.00E+00	1.72E+01	0.00E+00	0.00E+00	7.13E-05	5.66E-03	5.25E-02	2.27E-01
RWD	[kg]	7.16E-03	6.80E-06	5.99E-03	1.32E-02	0.00E+00	3.42E-01	0.00E+00	0.00E+00	7.96E-07	9.48E-06	2.46E-07	-7.87E-05

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	2.51E-01	2.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

MV8

ENVIRONMENTAL IMPACTS PER 1 piece MV8													
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	6.14E+02	4.14E-01	1.07E+01	6.25E+02	0.00E+00	2.86E+02	0.00E+00	0.00E+00	3.62E-02	1.74E+00	1.19E-03	-1.16E+01
ODP	[kg CFC11-eq.]	5.03E-05	4.70E-14	1.00E-09	5.03E-05	0.00E+00	1.05E-08	0.00E+00	0.00E+00	6.36E-15	2.13E-09	4.46E-15	-6.68E-11
AP	[kg SO_2-eq.]	2.80E+00	4.23E-03	3.84E-02	2.84E+00	0.00E+00	4.36E-01	0.00E+00	0.00E+00	4.18E-05	6.52E-04	6.10E-06	-2.30E-02
EP	[kg PO_4^{3-}-eq.]	3.15E+00	8.37E-04	8.33E-03	3.16E+00	0.00E+00	9.57E-02	0.00E+00	0.00E+00	9.46E-06	3.29E-03	6.49E-07	-2.26E-03
POCP	[kg ethene-eq.]	2.59E-01	2.61E-04	5.43E-03	2.65E-01	0.00E+00	5.01E-02	0.00E+00	0.00E+00	-1.64E-06	1.07E-04	5.44E-07	-3.98E-03
ADPE	[kg Sb-eq.]	1.12E-01	2.41E-08	3.62E-06	1.12E-01	0.00E+00	1.57E-04	0.00E+00	0.00E+00	3.18E-09	5.78E-07	8.34E-11	-4.10E-04
ADPF	[MJ]	8.61E+03	5.01E+00	1.71E+02	8.78E+03	0.00E+00	2.57E+03	0.00E+00	0.00E+00	4.74E-01	2.12E+00	1.91E-02	-3.78E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												

RESOURCE USE PER 1 piece MV8													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	9.32E+02	1.38E-01	3.57E+02	1.29E+03	0.00E+00	1.36E+04	0.00E+00	0.00E+00	4.16E-02	2.20E-01	3.00E-03	-4.69E+01
PERM	[MJ]	5.38E+00	0.00E+00	6.63E+01	7.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	9.37E+02	1.38E-01	4.23E+02	1.36E+03	0.00E+00	1.36E+04	0.00E+00	0.00E+00	4.16E-02	2.20E-01	3.00E-03	-4.69E+01
PENRE	[MJ]	9.43E+03	5.20E+00	2.28E+02	9.67E+03	0.00E+00	3.64E+03	0.00E+00	0.00E+00	4.83E-01	2.73E+02	2.02E-02	-3.81E+02
PENRM	[MJ]	3.12E+02	0.00E+00	-3.90E+01	2.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.71E+02	0.00E+00	0.00E+00
PENRT	[MJ]	9.75E+03	5.20E+00	1.89E+02	9.94E+03	0.00E+00	3.64E+03	0.00E+00	0.00E+00	4.83E-01	2.28E+00	2.02E-02	-3.81E+02
SM	[kg]	2.67E-01	0.00E+00	3.66E+00	3.93E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	5.09E+00	1.62E-04	7.28E-02	5.17E+00	0.00E+00	4.96E+00	0.00E+00	0.00E+00	4.63E-05	-1.83E-02	4.51E-06	-4.60E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 piece MV8													
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**B1-B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2.54E+01	2.70E-10	1.96E-04	2.54E+01	0.00E+00	3.31E-05	0.00E+00	0.00E+00	1.85E-11	4.68E-03	4.81E-12	6.33E-07
NHWD	[kg]	4.88E-01	4.67E-04	4.55E-01	9.43E-01	0.00E+00	1.90E+01	0.00E+00	0.00E+00	7.88E-05	6.31E-03	5.86E-02	2.63E-01
RWD	[kg]	8.03E-03	7.39E-06	6.47E-03	1.45E-02	0.00E+00	3.78E-01	0.00E+00	0.00E+00	8.79E-07	1.06E-05	2.74E-07	-8.72E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	2.85E-01	2.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E+01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

Add-on steel screens

ENVIRONMENTAL IMPACTS PER 1 kg steel screen										
Indicator	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	2.30E+00	7.43E-03	1.06E+00	3.37E+00	0.00E+00	4.42E-03	5.90E-02	2.03E-03	-1.21E+00
ODP	[kg CFC11-eq.]	4.28E-08	1.30E-15	1.38E-13	4.28E-08	0.00E+00	7.75E-16	1.70E-10	7.62E-15	4.50E-12
AP	[kg SO_2-eq.]	1.10E-02	8.57E-06	1.24E-04	1.11E-02	0.00E+00	5.09E-06	8.05E-05	1.04E-05	-2.24E-03
EP	[kg PO_4^{3-}-eq.]	6.75E-03	1.94E-06	2.30E-05	6.78E-03	0.00E+00	1.15E-06	4.45E-05	1.11E-06	-2.20E-04
POCP	[kg ethene-eq.]	1.58E-03	-3.37E-07	9.66E-06	1.59E-03	0.00E+00	-2.00E-07	9.40E-06	9.30E-07	-3.32E-04
ADPE	[kg Sb-eq.]	2.03E-05	6.52E-10	1.59E-09	2.03E-05	0.00E+00	3.88E-10	3.91E-07	1.43E-10	-1.24E-08
ADPF	[MJ]	4.46E+01	9.72E-02	2.52E-01	4.49E+01	0.00E+00	5.78E-02	1.71E-01	3.27E-02	-9.53E+00
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources									

RESOURCE USE PER 1 kg steel screen										
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	-7.85E+00	8.53E-03	1.18E+01	3.93E+00	0.00E+00	5.07E-03	7.82E-02	5.13E-03	1.61E+00
PERM	[MJ]	1.17E+01	0.00E+00	-1.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	3.85E+00	8.53E-03	7.63E-02	3.93E+00	0.00E+00	5.07E-03	7.82E-02	5.13E-03	1.61E+00
PENRE	[MJ]	4.78E+01	9.90E-02	2.96E-01	4.82E+01	0.00E+00	5.88E-02	2.17E-01	3.45E-02	-9.22E+00
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.78E+01	9.90E-02	2.96E-01	4.82E+01	0.00E+00	5.88E-02	2.17E-01	3.45E-02	-9.22E+00
SM	[kg]	8.18E-01	0.00E+00	0.00E+00	8.18E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	2.87E-02	9.50E-06	2.74E-03	3.14E-02	0.00E+00	5.65E-06	3.34E-04	7.71E-06	-8.14E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 kg steel screen										
Parameter	**Unit**	**A1**	**A2**	**A3**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	8.06E-01	3.79E-12	1.53E-10	8.06E-01	0.00E+00	2.25E-12	1.81E-03	8.23E-12	4.10E-09
NHWD	[kg]	8.64E-05	1.62E-05	2.08E-02	2.09E-02	0.00E+00	9.61E-06	0.00E+00	1.00E-01	-1.82E-02
RWD	[kg]	1.22E-05	1.80E-07	1.40E-05	2.63E-05	0.00E+00	1.07E-07	0.00E+00	4.69E-07	1.46E-04

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-01	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy									

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