GREEN ECONOMY PRODUCT ANALYSIS

Technical Dept.
Trivolzio, 02/03/23

PRODUCTS Analyzed

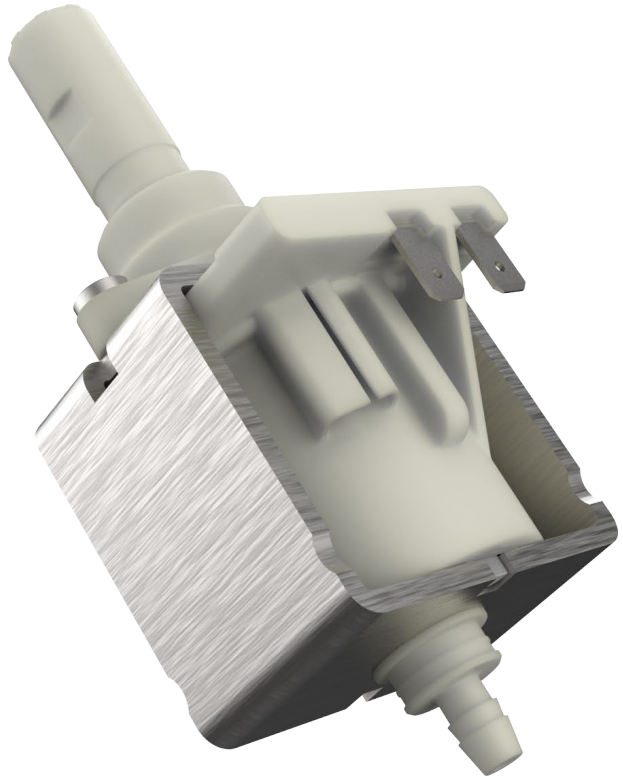
SOLENOID PUMPS
EFM High voltage
EFM High Voltage Silent
EFM Medium voltage
EP5 High voltage
EP5 Medium voltage
HF High voltage
HF Medium voltage
EN4 High voltage
EP4 High voltage
EFMCA High voltage
E400

SOLENOID VALVES
EV plastic-stainless steel 3 ways
EV plastic-stainless steel 2 ways
EV series 55

EFM High Voltage

MATERIAL	%
Ferrous	54,2%
Non Ferrous	28,5%
Plastic	17,1%
Rubber	0,2%
Electronic components	0,1%

EFM HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	48

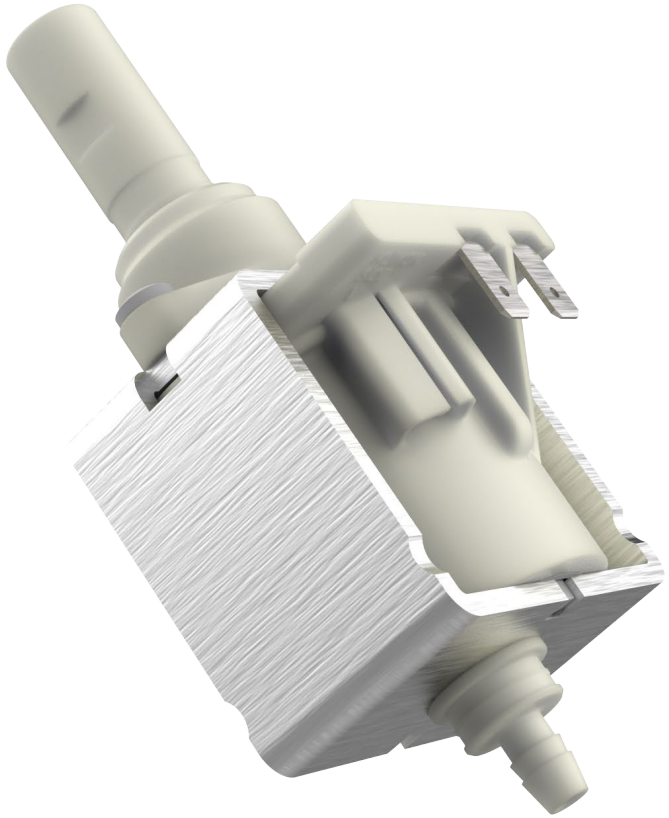


ELECTRICAL POWER CONSUMPTION DURING LIFE	48 WEI x 250 h = 12.000Wh = 12 kWhEI

EFM High Voltage Silent

MATERIAL	%
Ferrous	50,0%
Non Ferrous	32,6%
Plastic	17,0%
Rubber	0,3%
Electronic components	0,1%

EFM HIGH VOLTAGE SILENT	
Average lifetime (h)	250
Power (W)	30

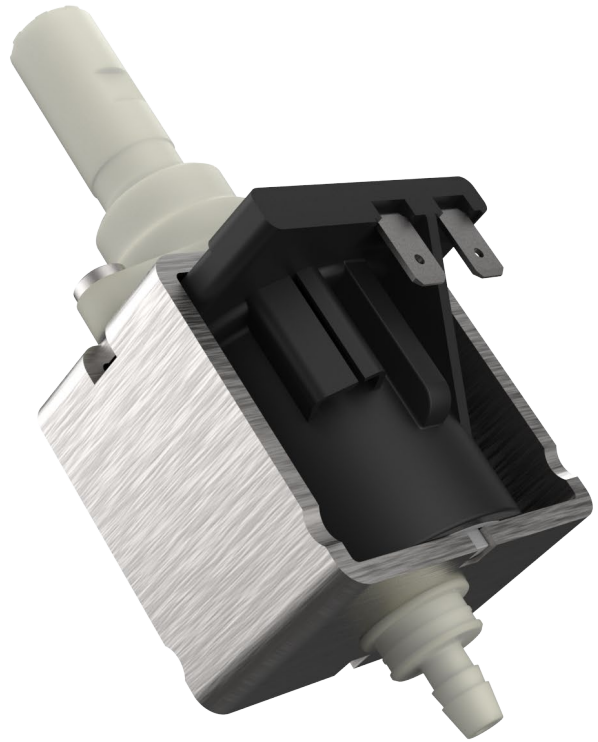


ELECTRICAL POWER CONSUMPTION DURING LIFE	30 WEI x 250 h = 7500Wh = 7,5 kWhEI

EFM Medium Voltage

MATERIAL	%
Ferrous	53,1%
Non Ferrous	30,0%
Plastic	16,6%
Rubber	0,2%
Electronic components	0,1%

EFM HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	46

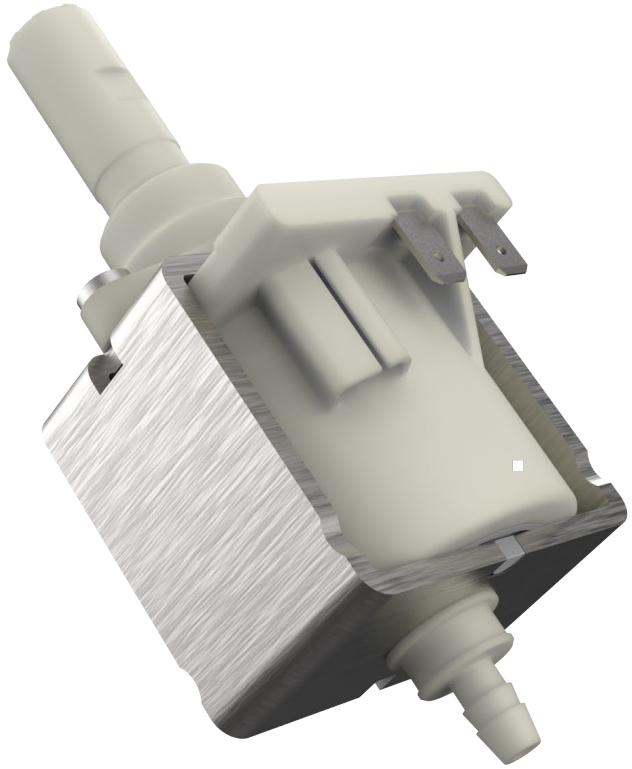


ELECTRICAL POWER CONSUMPTION DURING LIFE	46 WEI x 250 h = 11.500Wh = 11,5 kWhEI

EP5 High Voltage

MATERIAL	%
Ferrous	42,0%
Non Ferrous	42,4%
Plastic	15,4%
Rubber	0,2%
Electronic components	0,1%

EP5 HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	48

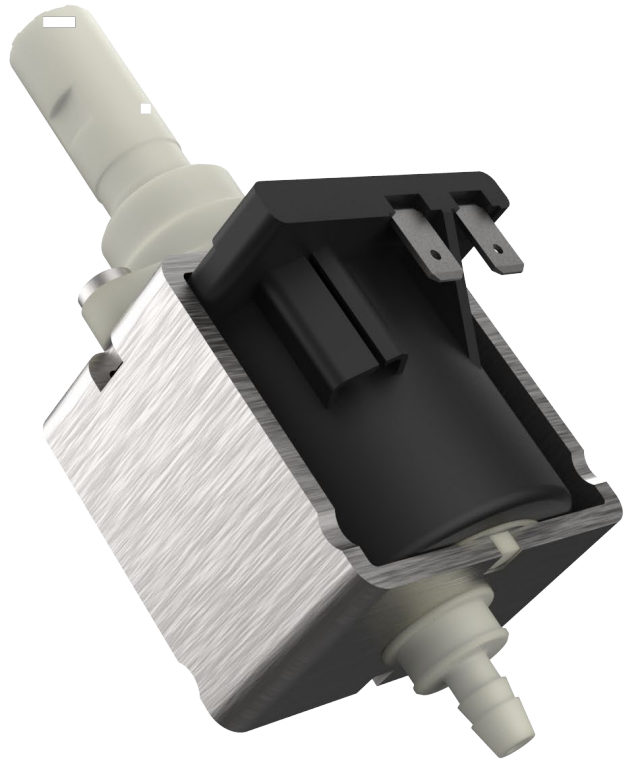


ELECTRICAL POWER CONSUMPTION DURING LIFE	48 WEI x 250 h = 12.000Wh = 12 kWhEI

EP5 Medium Voltage

MATERIAL	%
Ferrous	41,5%
Non Ferrous	43,9%
Plastic	14,4%
Rubber	0,2%
Electronic components	0,1%

EP5 MEDIUM VOLTAGE	
Average lifetime (h)	250
Power (W)	52

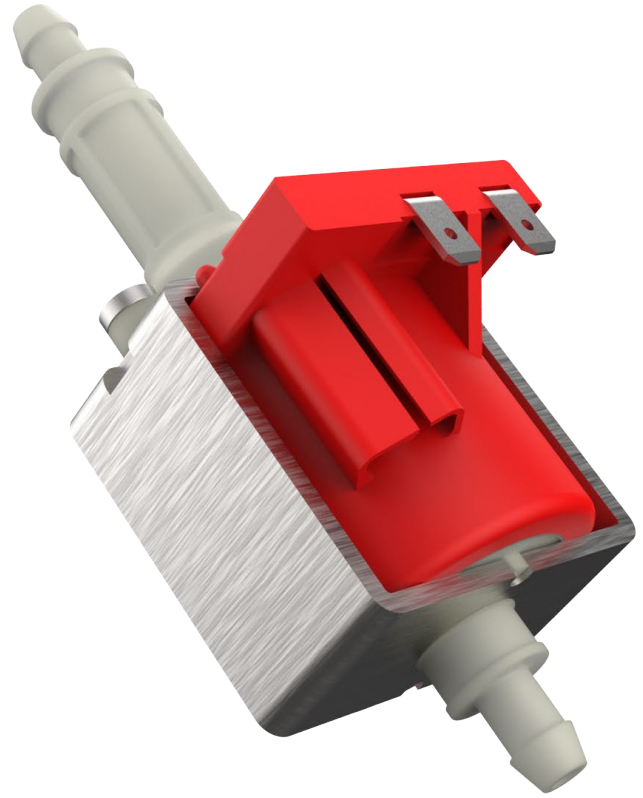


ELECTRICAL POWER CONSUMPTION DURING LIFE	52 WEI x 250 h = 13.000Wh = 13 kWhEI

HF High Voltage

MATERIAL	%
Ferrous	37,3%
Non Ferrous	43,8%
Plastic	18,4%
Rubber	0,2%
Electronic components	0,2%

HF HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	22

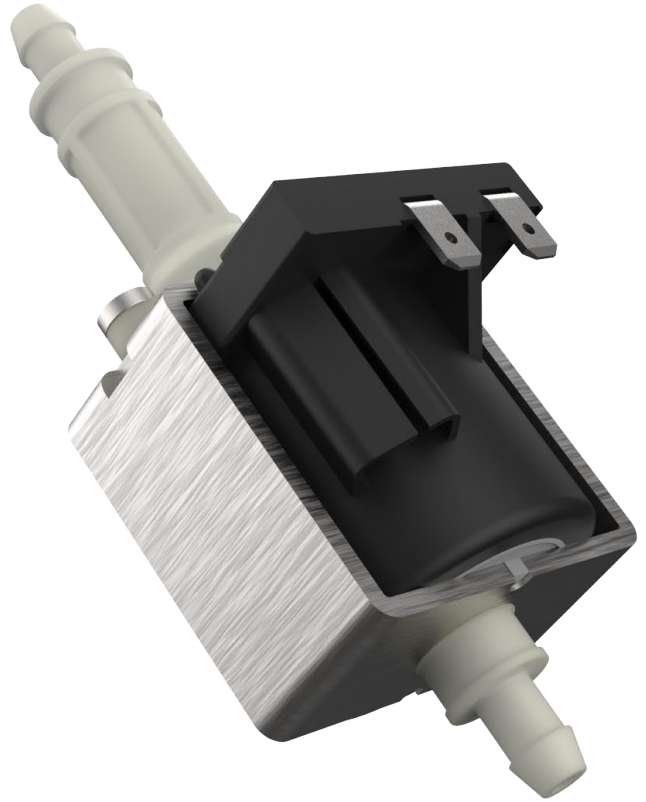


ELECTRICAL POWER CONSUMPTION DURING LIFE	22 WEI x 250 h = 5.500Wh = 5,5 kWhEI

HF Medium Voltage

MATERIAL	%
Ferrous	35,5%
Non Ferrous	42,4%
Plastic	21,7%
Rubber	0,2%
Electronic components	0,2%

HF MEDIUM VOLTAGE	
Average lifetime (h)	250
Power (W)	23

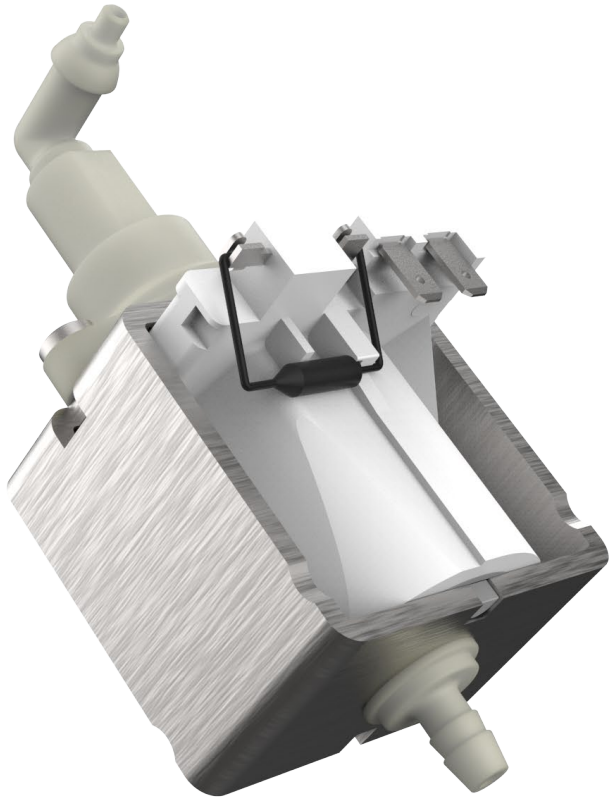


ELECTRICAL POWER CONSUMPTION DURING LIFE	23 WEI x 250 h = 5.750Wh = 5,75 kWhEI

EN4 High Voltage

MATERIAL	%
Ferrous	52,5%
Non Ferrous	27,6%
Plastic	19,5%
Rubber	0,2%
Electronic components	0,3%

EN4 HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	56

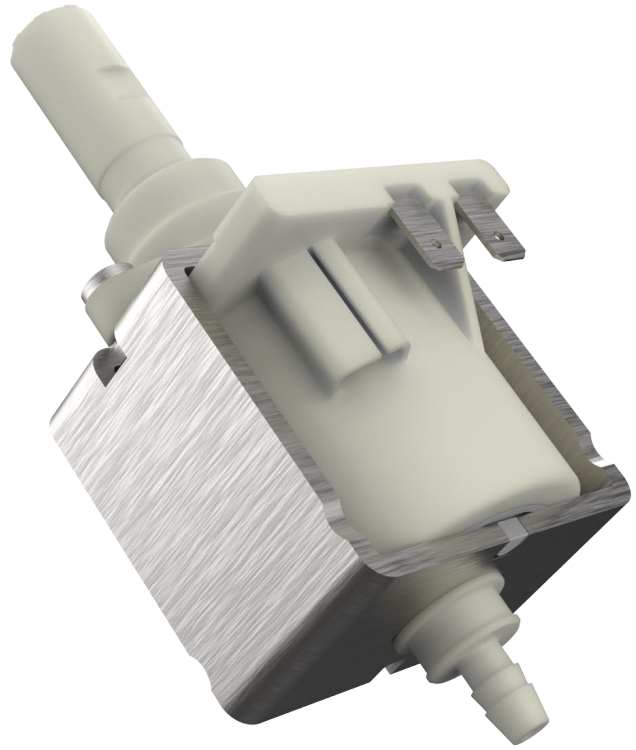


ELECTRICAL POWER CONSUMPTION DURING LIFE	56 WEI x 250 h = 14.000Wh = 14 kWhEI

EP4 High Voltage

MATERIAL	%
Ferrous	42,0%
Non Ferrous	42,3%
Plastic	15,4%
Rubber	0,2%
Electronic components	0,1%

EP4 HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	48

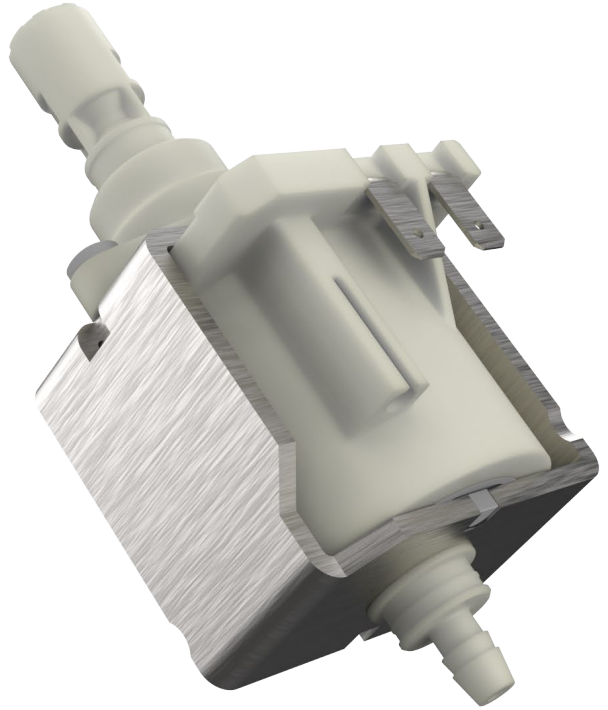


ELECTRICAL POWER CONSUMPTION DURING LIFE	48 WEI x 250 h = 12.000Wh = 12 kWhEI

EFMCA High Voltage

MATERIAL	%
Ferrous	57,2%
Non Ferrous	20,8%
Plastic	21,7%
Rubber	0,2%
Electronic components	0,1%

EP4 HIGH VOLTAGE	
Average lifetime (h)	250
Power (W)	60

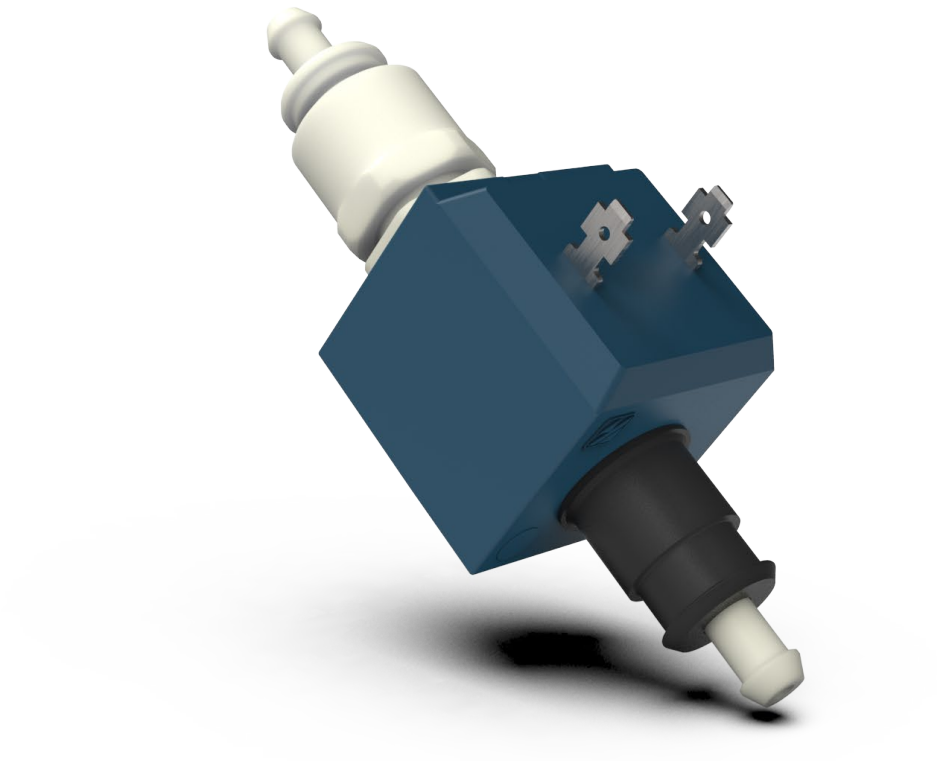


ELECTRICAL POWER CONSUMPTION DURING LIFE	60 WEI x 250 h = 15.000Wh = 15 kWhEI

E400

MATERIAL	%
Ferrous	39,9%
Non Ferrous	25,2%
Plastic	32,8%
Rubber	2,2%
Electronic components	0%

E400	
Average lifetime (h)	500
Power (W)	27

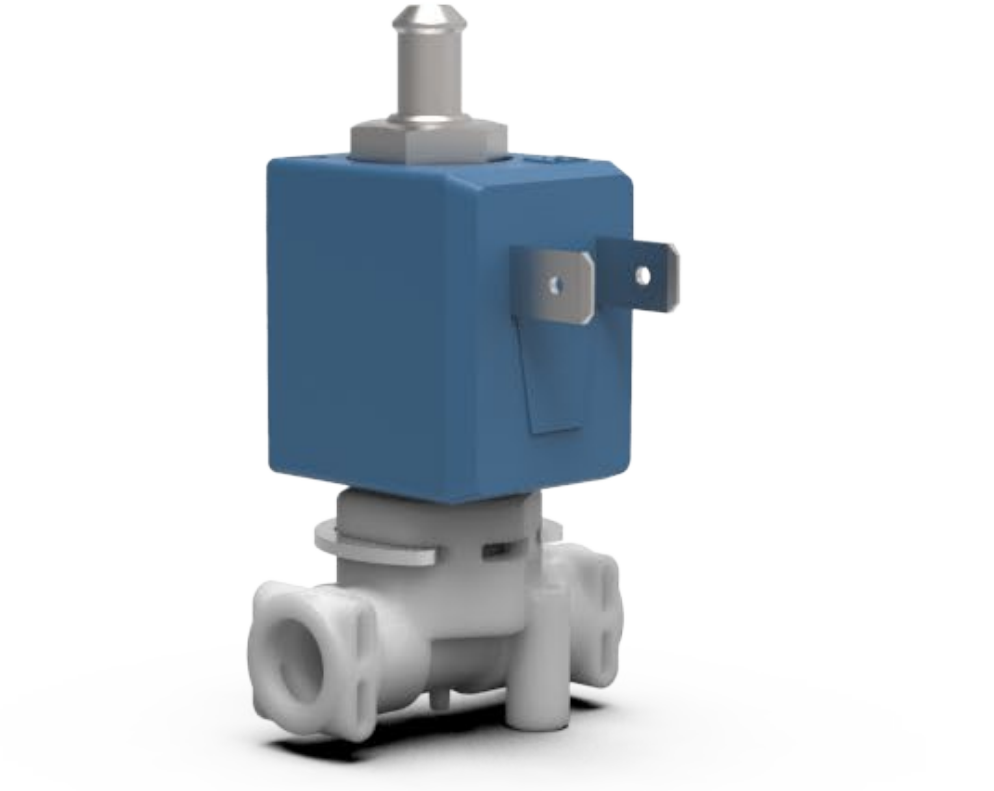


ELECTRICAL POWER CONSUMPTION DURING LIFE	27 WEI x 500 h = 13.500Wh = 13,5 kWhEI

EV Plastic stainless steel 3 ways

MATERIAL	%
Ferrous	48,1%
Non Ferrous	27,2%
Plastic	24,4%
Rubber	0,3%

EV plastic/stainless steel 3 ways	
Average lifetime (h)	210
Power (W)	10

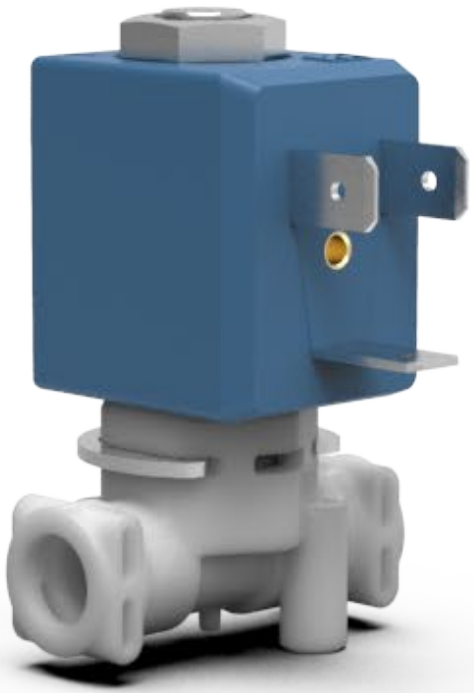


ELECTRICAL POWER CONSUMPTION DURING LIFE	10 WEI x 210 h = 2.100Wh = 2,1 kWhEI

EV Plastic stainless steel 2 ways

MATERIAL	%
Ferrous	48,9%
Non Ferrous	26,8%
Plastic	24,0%
Rubber	0,3%

EV plastic/stainless steel 2 ways	
Average lifetime (h)	210
Power (W)	10



ELECTRICAL POWER CONSUMPTION DURING LIFE	10 WEI x 210 h = 2.100Wh = 2,1 kWhEI

EV Series 55

MATERIAL	%
Ferrous	33,3%
Non Ferrous	54,2%
Plastic	12,5%
Rubber	0,1%

EV Series 55	
Average lifetime (h)	210
Power (W)	10

ELECTRICAL POWER CONSUMPTION DURING LIFE	10 WEI x 210 h = 2.100Wh = 2,1 kWhEI

Thank you

CEME GROUP