



Environmental Product Declaration

Product	Type of equipment / Product No.	M3P80FY for chilled and low-temperature hot water systems M3P100FY for chilled and low-temperature hot water systems M3P80FYP for systems with media containing mineral oils M3P100FYP for systems with media containing mineral oils		
	Product line	Modulating control valves with magnetic actuator		
Process control	Siemens Schweiz AG Building Technologies Division Gubelstrasse 22 CH-6300 Zug			
	Management System	since	by	
	ISO 9001 (Quality)	22.07.1986	SQS	
	ISO 14001 (Environment)	20.10.1998	SQS	
Environmentally compatible product design	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".			
Product use	Typical energy consumption	27 ... 40kWh/a		
Risk of fire	Fire protection according to	EN 60730		
	Fire load	7 ... 22MJ		
Packaging	20-PAP Corrugated fiber board	Carton Box	670 ... 900g	
	21-PAP Fiber board	Cardboard insert	1'460 ... 1'890g	
	22-PAP paper	Packing Label	6g	
	2-HDPE	Bag accessorie	60 ... 114g	
	Notes on disposal	One-way, recyclable		
Materials	Total weight of device	45'488 ... 59'663g		
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.			
Plastics	PPO; GF 20%; halogen-free	Connecting base, Mask	129g	
	PA6; GF 30%; halogen-free	Handwheel, coil	136 ... 156g	
	EPDM; halogen-free	O-ring, cableway	5g	
	PTFE; GF 10%; halogen-free	Insulation	3g	
	PUR; halogen-free	Casting compound (Actuator)	0 ... 567g	
	FKM; halogenated	O-ring (Viton)	0 ... 2g	
	Metals	CuZnPb	Seats, Clampig disc, bushings, screws, stem	1'401 ... 2'126g
Steel <=5% alloyed		Housing, Flange	6'343 ... 7'426g	
Steel <=5% alloyed; galvanized		Cover, coupling, core, anchor, bushings, screws	6'753 ... 8'970g	
CuSn; lacquered		Coil winding	5'228 ... 6'510g	
steel CrNi		bellow, distant holders, stems, spring, discs	852 ... 1'459g	
Al alloy		Hoising cover, ZM- cover	648g	
Cast iron EN-JL-2040 (GG25); lacquered		Valve body	23'930 ... 31'600g	
Others	Mix of synthetic fibers and GF	Seals	5g	
	Silicone grease (Actuator)	Grease	5 ... 7g	
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	50g	

Disposal

The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible. Observe all local and applicable laws.

Comments**EU-directive 2011/65/EU (RoHS)**

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive.

Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w.

(Status according to the creation date of this document.)

Legal Disclaimer: This declaration is for information purpose only.

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Siemens Schweiz AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.