



Environmental Product Declaration

Product

Device type	VPD... VPE....
Designation	MiniCombiValves
Product range	Acvatix™ valves

Process control

Siemens Building Technologies Ltd. Gubelstrasse 22, CH-6301 Zug		
Management system certified	Since	By
ISO 14001 (environment) - Rastatt	Dec. 12, 1997	BSI
ISO 9001 (quality) - Rastatt	May 30, 1986	BSI

Product use

Typical energy consumption per year	Not applicable
Maintenance	Maintenance-free
Environmental benefits	See notes on page 2

Environmental risk (fire)

Typical energy consumption per year	Not applicable
Maintenance	Maintenance-free
Environmental benefits	See notes on page 2

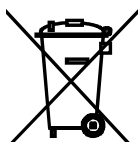
Packaging

Paperboard, cardboard boxes, paper	Single packs, folding box
Notes on disposal	Easily recyclable

Materials	VPE110...VPD215...	total weight	395 - 465 (*)	g
Plastics	Polypropylen (knob)		3.0	g
	EPDM (O-rings, diaphragm, gasket)		4	g
	PEEK-Victrex 450G (control plug)		3	g
	Grivory HTV-5H1		10 (2...2.5 %)	g
Metals	Brass (valve body, top, seat)		370 – 440 (93.5...94.5 %)	g
	CrNi steel (stem, spring)		5	g
Special components	O-rings with silicon grease		3	g

(Weights of components given in parentheses are already included in the total weight listed under "Materials")

Disposal



The MiniCombiValves can be completely recycled as metal scrap.

Local and currently valid legislation must be observed!

Notes

Materials: All materials used by the MiniCombiValves are environmentally compatible.

Environmental benefits:

Thanks to their integrated, self-acting differential pressure controller, the valves maintain the volumetric flow at a constant level, thus avoiding excessive heat supply. The systems are perfectly balanced in dynamic operation also, achieving energy savings of 10 to 20 %.

When using speed-controlled pumps, the pumping power will be reduced to the required minimum differential pressure to ensure extra energy savings.

Due to their robust design, MiniCombiValves VPE... and VPD... have an extremely long service life and are maintenance-free.

(*)

DN	Type reference	Weight in g	Type reference	Weight in g	Type reference	Weight in g	Type reference	Weight in g
10	VPD110A-45	410	VPD210A-45	405	VPE110A-45	400	VPE210A-45	395
10	VPD110A-90	410	VPD210A-90	405	VPE110A-90	400	VPE210A-90	395
10	VPD110A-145	410	VPD210A-145	405	VPE110A-145	400	VPE210A-145	395
10	VPD110B-60	410	VPD210B-60	405	VPE110B-60	400	VPE210B-60	395
10	VPD110B-120	410	VPD210B-120	405	VPE110B-120	400	VPE210B-120	395
10	VPD110B-200	410	VPD210B-200	405	VPE110B-200	400	VPE210B-200	395
15	VPD115A-45	465	VPD215A-45	450	VPE115A-45	435	VPE215A-45	420
15	VPD115A-90	465	VPD215A-90	450	VPE115A-90	435	VPE215A-90	420
15	VPD115A-145	465	VPD215A-145	450	VPE115A-145	435	VPE215A-145	420
15	VPD115B-60	465	VPD215B-60	450	VPE115B-60	435	VPE215B-60	420
15	VPD115B-120	465	VPD215B-120	450	VPE115B-120	435	VPE215B-120	420
15	VPD115B-200	465	VPD215B-200	450	VPE115B-200	435	VPE215B-200	420

Diese Deklaration dient ausschliesslich zu Informationszwecken

Es können unter Umständen kleinere Abweichungen zu den darin enthaltenen Angaben auftreten. Soweit gesetzlich zulässig, schliesst Siemens Building Technologies AG daher jegliche Haftung für Folgen aus, welche auf Grund der obigen Informationen entstehen können.

Wenn Sie weitere Auskünfte zu Umweltaspekten und zur Entsorgung im Speziellen wünschen, so wenden Sie sich bitte an unsere lokale Siemens-Vertretung.