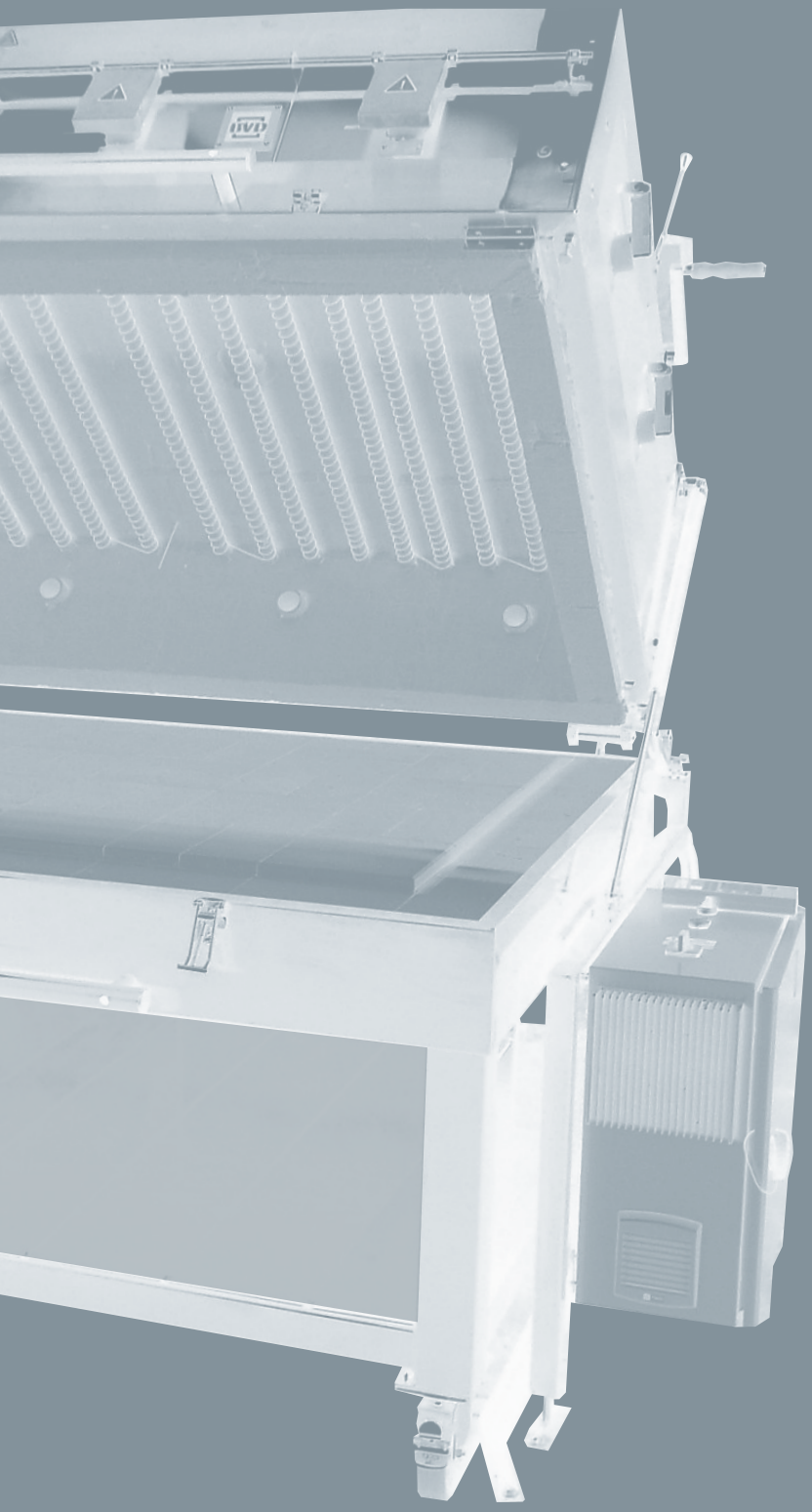

ELECTRIC KILNS FOR GLASS FUSING, SLUMPING AND BENDING

BVD PECE

HOOD KILNS **PS**

for glass fusing, slumping and bending

PS 05.05.02-8

- inner sizes 50 x 50 x 20 cm
- max. temperature 850 °C
- controller BENTRUP TC 88e
- manual flap (air vent) on the top
- sight hole on the front wall
- adjustable feet for perfect kiln levelling
- storage platform under the kiln

PS 08.05.02-8

- inner sizes 80 x 50 x 20 cm
- max. temperature 850 °C
- controller BENTRUP TC 88e
- manual flaps (air vents) on the top
- sight holes on the front wall
- adjustable feet for perfect kiln levelling
- storage platform under the kiln

PS 1-400

- inner sizes 100 x 60 x 40 cm
- max. temperature 900 °C
- controller Ht INDUSTRY
- additional heating spiral in the bottom part
- automatic flaps (air vents) in the top
- ventilator on the back wall for fast cooling
- sight holes on the front wall
- adjustable feet for perfect kiln levelling

PS 1-250

- inner sizes 100 x 60 x 25 cm
- max. temperature 900 °C
- controller BENTRUP TC 405/30
- manual flaps (air vents) in the top
- sight holes on the front wall
- wheels

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HOOD KILNS **PS**

for glass fusing, slumping and bending

PSV 2500

- inner sizes 260 x 160 x 60 cm
- max. temperature 1100 °C
- controller Ht INDUSTRY
- two additional spirals in the bottom part
- heating in the table
- ceramic shelves on the table to cover the heating
- automatic flaps (air vents) in the top
- sight holes on all side walls
- mobile table

PS 2-400

- inner sizes 120 x 60 x 40 cm
- max. temperature 900 °C
- controller Ht INDUSTRY
- additional heating spiral in the bottom part
- automatic flaps (air vents) in the top
- sight holes on all side walls
- adjustable feet for perfect kiln levelling
- storage platform under the kiln

PSV 7.2-250

- inner sizes 300 x 150 x 25 cm
- max. temperature 900 °C
- controller BENTRUP TC 507
- electric kiln opening (an actuator on both kiln ends)
- automatic flaps (air vents) in the top
- automatic flaps (sight holes) on long walls
- mobile table
- storage platform under the kiln

PSR 7000

- a professional kiln for architectural glass
- hood on a mobile structure
- inner sizes 460 x 220 x 70 cm
- max. temperature 900 °C
- programmable logic controller MITSUBISHI
- 11 heating zones
- fully automatic operation, including the annealing process as per programmed graph (automatic air vents, ventilators for pressure cooling, partial opening of the kiln for quick cooling)

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OPTIONAL EQUIPMENT FOR THE KILNS **PS**

C

(A) tailor-made kilns (inner sizes, controller, colour and other details upon request)
(B maximum operational temperature upon request (up to 1100 °C)
(C) automatic (programmable) control of the air vents in the top, by an actuator, for a perfect kiln ventilation and a quick cooling
(D) automatic (programmable) control of the sight holes flaps, by an actuator, for a perfect kiln ventilation and a quick cooling
(E) electric kiln opening by an actuator, activated by a pushbutton
(F) automatic kiln opening by an actuator, activated by controller – partial opening of the kiln for a quick cooling
(G) heated table

E/F

D

G

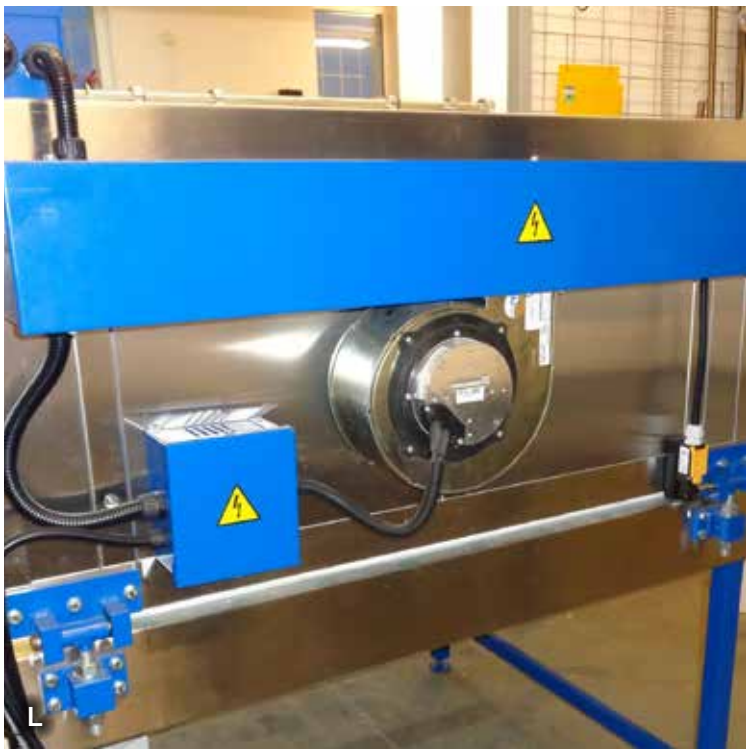
H

(H) additional heating element in the sides of the recessed table for a good temperature uniformity (must be combined with the option N)

(I) additional heating element in the bottom part of the lid for a good temperature uniformity; it occupies a space of 50 mm all around the kiln (recommended for kilns with inner height 400 mm or more)

(K) multi-zone heating control in a MASTER / SLAVE mode, a dedicated thermocouple for each zone; to be combined with options G, H or I

(L) ventilators for quick cooling on the kiln rear wall


L

I

OPTIONAL EQUIPMENT FOR THE KILNS **PS**

(M) adjustable guiding bars to create a perfect level of the powder separator on the table
(N) recessed bed (70 mm deep), to be combined with option G or H
(O) additional table, to be combined with option R or V
(P) kiln on wheels (not compatible with the electric nor automatic kiln opening)
(R) hood suspended on a mobile construction, with electro-mechanic lift
(V) mobile table for an easy access from all sides

M

N

P

V

R/O

HOOD KILNS – MODELS PS

MODEL	TEMPERATURE	POWER	VOLTAGE	INNER SIZES (mm)	OUTER SIZES (mm)
	°C	kW	V	width x length x height	width x length x height
PS 05.05.02-8	850 °C	3,2	1 x 230V	500 x 500 x 200	800 x 850 x 1250
PS 08.05.02-8	850 °C	7,5	3 x 400V	800 x 500 x 200	1000 x 850 x 1250
PS 1-250	900 °C	9	3 x 400V	1000 x 600 x 250	1300 x 1000 x 1250
PS 1-400	900 °C	9	3 x 400V	1000 x 600 x 400	1300 x 1000 x 1400
PS 1.1-250	900 °C	10,2	3 x 400V	1200 x 600 x 250	1500 x 1000 x 1250
PS 1.1-400	900 °C	10,2	3 x 400V	1200 x 600 x 400	1500 x 1000 x 1400
PS 1.2-250	900 °C	10,2	3 x 400V	1000 x 800 x 250	1300 x 1200 x 1250
PS 1.2-400	900 °C	10,2	3 x 400V	1000 x 800 x 400	1300 x 1200 x 1400
PS 2-250	900 °C	16	3 x 400V	1200 x 1000 x 250	1600 x 1500 x 1350
PS 2-400	900 °C	16	3 x 400V	1200 x 1000 x 400	1600 x 1500 x 1500
PS 3-250	900 °C	16	3 x 400V	1600 x 800 x 250	2000 x 1300 x 1450
PS 3-400	900 °C	16	3 x 400V	1600 x 800 x 400	2000 x 1300 x 1600
PS 3.1-250	900 °C	18	3 x 400V	1500 x 1000 x 250	1900 x 1500 x 1450
PS 3.1-400	900 °C	18	3 x 400V	1500 x 1000 x 400	1900 x 1500 x 1600
PS 3.2-250	900 °C	18	3 x 400V	1600 x 1000 x 250	2000 x 1500 x 1450
PS 3.2-400	900 °C	18	3 x 400V	1600 x 1000 x 400	2000 x 1500 x 1600
PS 3.3-250	900 °C	18	3 x 400V	1800 x 900 x 250	2200 x 1400 x 1450
PS 3.3-400	900 °C	18	3 x 400V	1800 x 900 x 400	2200 x 1400 x 1600
PS 4-250	900 °C	19	3 x 400V	1600 x 1200 x 250	2100 x 1700 x 1450
PS 4-400	900 °C	19	3 x 400V	1600 x 1200 x 400	2100 x 1700 x 1600
PS 4.1-250	900 °C	19	3 x 400V	1600 x 1500 x 250	2100 x 2000 x 1450
PS 4.1-400	900 °C	23	3 x 400V	1600 x 1500 x 400	2100 x 2000 x 1600
PS 4.2-250	900 °C	23	3 x 400V	1800 x 1200 x 250	2200 x 1600 x 1450
PS 4.2-400	900 °C	25	3 x 400V	1800 x 1200 x 400	2200 x 1600 x 1600
PS 5-250	900 °C	23	3 x 400V	2000 x 1000 x 250	2500 x 1500 x 1450
PS 5-400	900 °C	25	3 x 400V	2000 x 1000 x 400	2500 x 1500 x 1600
PS 5.1-250	900 °C	25	3 x 400V	2100 x 1100 x 250	2600 x 1600 x 1450
PS 5.1-400	900 °C	28	3 x 400V	2100 x 1100 x 400	2600 x 1600 x 1600
PS 6-250	900 °C	28	3 x 400V	2000 x 1200 x 250	2500 x 1700 x 1450
PS 6-400	900 °C	29	3 x 400V	2000 x 1200 x 400	2500 x 1700 x 1600
PS 6.1-250	900 °C	31	3 x 400V	2100 x 1200 x 250	2600 x 1700 x 1450
PS 6.1-400	900 °C	32	3 x 400V	2100 x 1200 x 400	2600 x 1700 x 1600
PS 6.2-250	900 °C	31	3 x 400V	2200 x 1100 x 250	2700 x 1600 x 1450
PS 6.2-400	900 °C	32	3 x 400V	2200 x 1100 x 400	2700 x 1600 x 1600
PS 6.4-250	900 °C	31	3 x 400V	2200 x 1200 x 250	2700 x 1700 x 1450
PS 6.4-400	900 °C	32	3 x 400V	2200 x 1200 x 400	2700 x 1700 x 1600
PS 6.5-250	900 °C	34	3 x 400V	2200 x 1500 x 250	2700 x 2000 x 1450
PS 6.5-400	900 °C	36	3 x 400V	2200 x 1500 x 400	2700 x 2000 x 1600
PS 6.6-250	900 °C	34	3 x 400V	2300 x 1300 x 250	2800 x 1800 x 1450
PS 6.6-400	900 °C	34	3 x 400V	2300 x 1300 x 400	2800 x 1800 x 1600
PS 7-250	900 °C	36	3 x 400V	2500 x 1500 x 250	3000 x 2000 x 1450
PS 7-400	900 °C	36	3 x 400V	2500 x 1500 x 400	3000 x 2000 x 1600
PS 7.1-250	900 °C	36	3 x 400V	2800 x 1500 x 250	3300 x 2000 x 1450
PS 7.1-400	900 °C	39	3 x 400V	2800 x 1500 x 400	3300 x 2000 x 1600
PS 7.2-250	900 °C	39	3 x 400V	3000 x 1500 x 250	3500 x 2000 x 1450
PS 7.2-400	900 °C	44	3 x 400V	3000 x 1500 x 400	3500 x 2000 x 1600
PS 7.3-250	900 °C	55	3 x 400V	3200 x 2000 x 250	3700 x 2500 x 1450
PS 7.3-400	900 °C	58	3 x 400V	3200 x 2000 x 400	3700 x 2500 x 1600
PS 8-250	900 °C	65	3 x 400V	3500 x 1800 x 250	4000 x 2300 x 1450
PS 8-400	900 °C	68	3 x 400V	3500 x 1800 x 400	4000 x 2300 x 1600

The above-mentioned parameters are informative only (they do not reflect optional equipment e.g.)

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