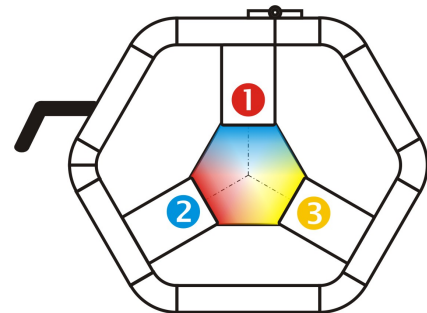# Shock Module – SM800

for pre-vulcanisation of rubber / silicone

Infrared shock module with
height-adjustable column, electric powertrain,
cart (incl. power electronics),
flimmer-free phase proportioning,
3-channel power control through 3 potentiometers,
output control per twin emitter 0…100%,
irradiation area Ø144 mm; L = 760 mm,
back-mounted condensate exhaust ventilation for
connecting tube D=inside 80mm;
cart with 4 wheels D = 75 x 32 mm; 2 x lockable,
column height-adjustable from 885 … 1360 mm
(middle of irradiation area !);
3 x twin emitters model IRX with
2 x 2 kW short wave NiR elements each;
water/air cooling: water cooling through external circulation,
air cooling through integrated fans;
flow rate needed: at least 4 liters/min., flow temperature 20…25°C;
max. supply pipe pressure 10 bar; required cooling capacity 4 kW
3 guide rollers for setting the profile;
safety monitoring: overheat of the
cooling plate and the cooling water flow;
supply line: 10 m cable with 32 A CEE plug;
operating voltage: 3 x 400 V + N + PE (50/60 Hz); 12 kW
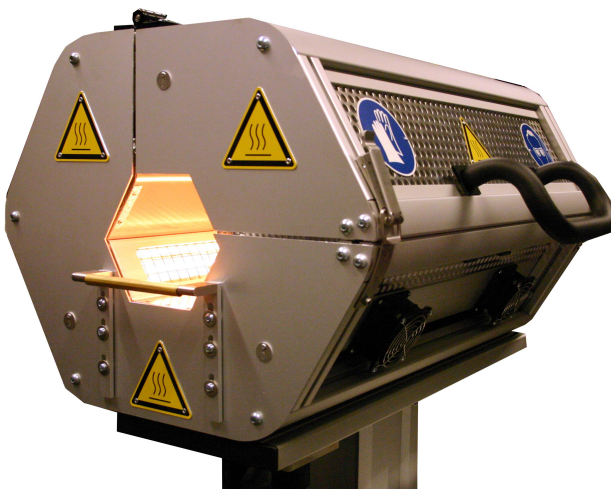Execution according to VDE/CE regulation
Weight: 160 kg

SM800

item no.: 600.4002

Schematic view of the 3 irradiation areas

Irradiation duct

Control Panel

All pictures are approximations
Last update: 04.08.2023

Shock Module – SM800

for pre-vulcanisation of rubber / silicone

Optional:

radiation pyrometer type IN5PD for contactless temperature measuring
measuring range: 0...300°C
measuring spot: Ø 6 mm (distance 300 mm)
measuring output: 4...20 mA

Laser class 2 for marking the measuring height, digital indicator for temperature value, pilot light-button, integrated air purge with compressed air supply for hose Ø 6mm, 220 mm connecting cable with Harting connector, including double power supply 230 VAC → 24 VDC / 5.9 VDC, 7 VA

Inclusive assembly kit for installation of the radiation pyrometer IN5PD, consisting of 40 x 40 mm alu-profiles, fastening angles, t-nuts etc. lefthand- or righthand installation possible
Item no.:   600.4002.1

Automatic temperature control, 3-channel power controller additional equipped with 3 pcs. Zonal temperature controllers, size 48 x 48 mm. Same actual value through radiation pyrometer IN5PD. Channel selective switching through button from automatic temperature to manual power controller. The scale potentiometer for power adjustment are cancelled in this item.
Item no.:   600.4002.3

Dimensions:

All pictures are approximations
Last update: 04.08.2023

OPTRON GMBH • Steinriede 12 • D-30827 Garbsen / Hannover • Germany
Phone: +49 (0)5131 7083-0 • Fax: +49 (0)5131 7083-25
www.optron.de • e-mail: mail@optron.de