

# LIGHT SOURCE FOR 1600 - 2000 W Xenon

## COOL 2000 + SVX 2000 + Option: Computer control



### Power supply

- \* Current regulation with switched mode technology
- \* 3 – Phase
- \* Super light, high performance, compact
- \* Very good stability
- \* Possibility of light regulation
- \* High efficiency – low heat
- \* Computer control (OPTION)

### Lamp house COOL

- \* Stable construction using aluminium sections – **water cooled** –
- \* Xenon lamp in an aluminium mantle – **water cooled** –
- \* Lamp and rear reflector precisely adjustable during operation
- \* hermetic, no soiling of the optics

COOL 2000 is a very strong xenon light source up to 2000 watts. It combines the advantage of the water cooling with a computer control. The xenon lamp sits in a water-cooled mantle. This permits the optimal temperature for the lamp without air cooling.

Ignition of the lamp and operation of the light source with water and temperature control are made by a small program of the computer.

### Specification

#### Lamp house COOL 2000

Max. Lamp power:	2000 W
Max. Lamp length:	380 mm
Lamps and adapters:	groups 4 & 6
Lamp adjustment:	in 2 planes with micrometer screws
Rear mirror adjustment:	in 3 planes with micrometer screws
Focus depth:	150 mm to 8
Min. optic axis height:	250 mm
Built - in igniter:	35 kV HF
Cooling:	with tap-water, ¼ "connection
Water consumption:	1L/min, 3 bar, 21°C
Monitoring:	Temp .- interrupter at 50°C, with a flow meter interrupts at < 1 L/min
Control:	with computer program XeLaSt
Dimensions:	540 h x 200 b x 170 t mm <sup>3</sup>
Weight:	15 kg

#### Power supply SVX 2000 (Current regulation)

Supply:	360 V ± 10 %, 50 Hz, 3 Phases, 2,5 kVA
Output power:	2000 W
Current:	50 – 75 A
Voltage:	20 - 33 V
Without load:	100 V
Regulation accuracy (Current):	0,5 %
Stability after warm up:	0,2 %
Line regulation for ± 10 % mains voltage:	0,3 %
Current adjust:	Potentiometer at front panel
Read out:	digital, 3½ - digits, switch able from current to voltage display
Switch:	illuminated mains switch, illuminated switch for manual / computer controlled
Dimensions:	600 h x 200 b x 170 t mm <sup>3</sup>
Weight:	14 kg

### A minimum working system requires:

SVX 2000 + COOL 2000 + COOL 2000 – 11 + Lamp\* + Adapter (XBO 2000 W HTP)

- Options:

#### COOL 2000

S2	second light outlet
COOL 2000 – 11	Condenser with 2 quartz lenses (Spectrosil B)
COOL 2000 – 4	Base plate (variable height)

#### SVX 2000

LIX	optical feedback
XeLaSt	Software program for switch on/off the lamp, temperature and tap-water control