



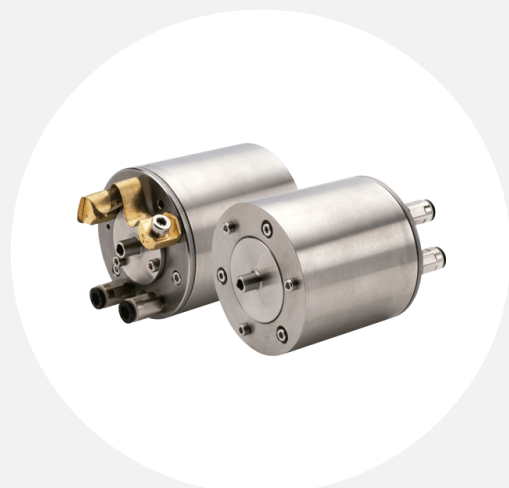
Crafting ideas into light

Pumping Heads

CW laser gain modules

The cylindrical symmetry of this design allows rotation of the pumping chamber giving flexibility during the production and optimization of a laser system.

The pumping laser diode bars are mounted using our patented clamping technology. The main features of the solder-free concept of the clamping technology, exclusively used by Monocrom.



PH / 120W to 300W CW

Product specification are subject to change without notice.
For complete details, please contact your local MONOCROM sales representative

UNE EN ISO 9001:2008

MONOCROM S.L.

C/Vilanoveta 6
08800 Vilanova i la Geltrú (Barcelona)
Spain
T. +34 938 149 450
F. +34 938 143 767
E. sales@monocrom.com
www.monocrom.com

Technical specifications (typical values)

	PH-120-6	PH-120-3	PH-150	PH-240	PH-300
P_{peak} (W)	120	120	150	240	300
I_{op} (A)	20	40	50	40	50
V (V_{dc})	12	6	6	12	12
Pumped length (mm)	23	11	11	23	23
Rod diameter (mm)	2 to 4				
Rod material	Nd:YAG				
Nd concentration	0,4% to 1 %				

* Measured at FWHM

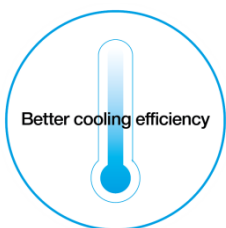
Longer lifetime

When mechanical stress is not an issue any more, product life-time increases significantly

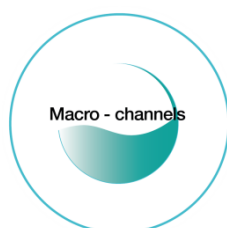


Clamping™ patented technology

main advantages



Better cooling efficiency
Our diode bars are in direct contact with 2 heat sinks that help them cool easier



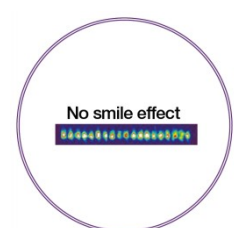
Macro - channels
We avoid water obstructions thanks to the use of macro-channels



No mechanical stress
Solder-free clamped bars expand and contract freely avoiding mechanical stress



Higher brightness
The lack of a "smile" allows a superb beam. Our diode bar mounts achieve higher energy per pulse and excellent beam quality, thus higher brightness



No smile effect
Our diode bar mounts don't smile even though they live happily

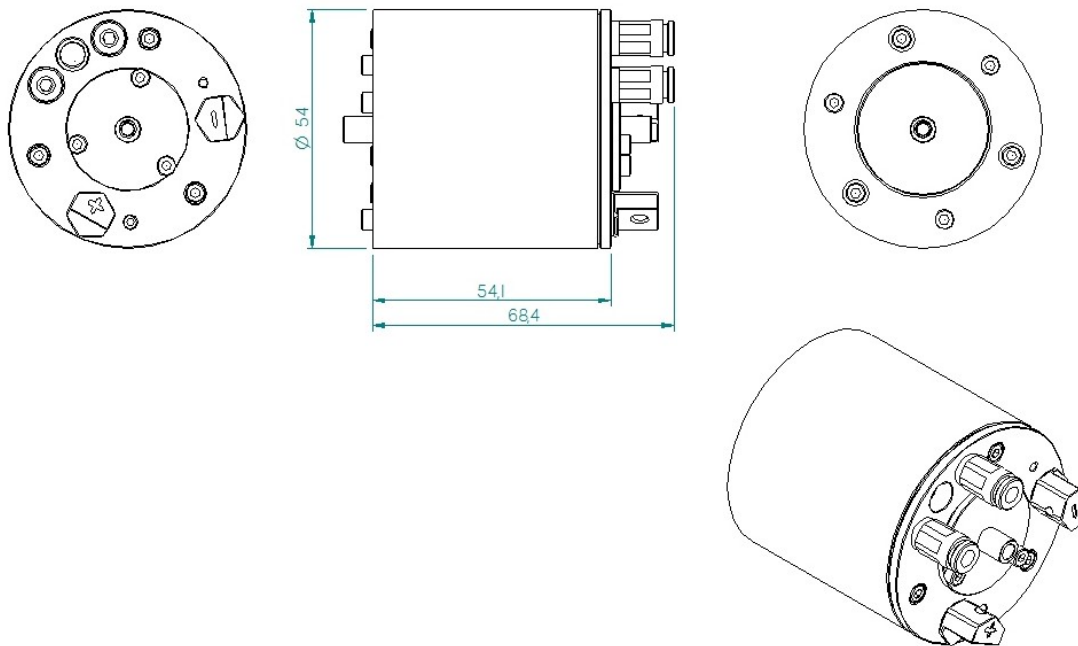
PH / 120W to 300W CW

Product specification are subject to change without notice.
For complete details, please contact your local MONOCROM sales representative


UNE EN ISO 9001:2008

MONOCROM S.L.

C/Vilanoveta 6
08800 Vilanova i la Geltrú (Barcelona)
Spain
T. +34 938 149 450
F. +34 938 143 767
E. sales@monocrom.com
www.monocrom.com



Ordering Information:



800 Village Walk #316
 Guilford, CT 06437
 Ph: 203-401-8093

Email orders to: sales@xsoptix.com
 Fax orders to: 800-878-7282