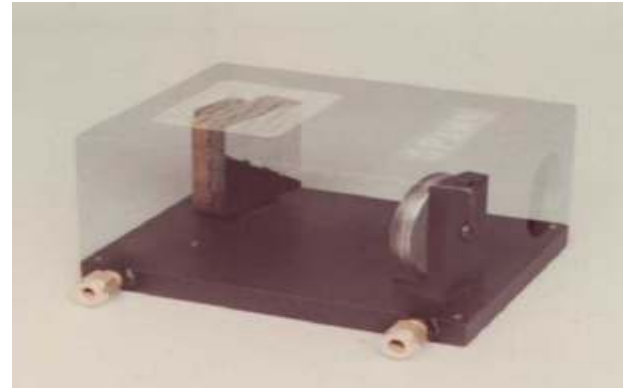




**1" - 1.5" - 3" - 4" Diameter
Water-cooled Focus Modules**

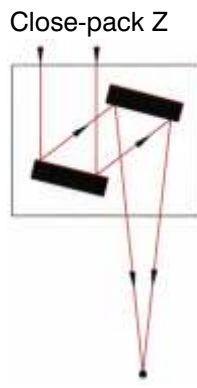
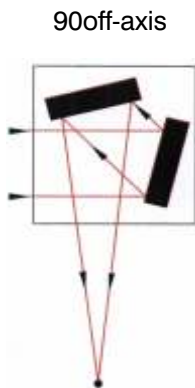


Non-visible water cooling network in standard systems offers freedom of protruding tubes and manifolds

The high reliability that is expected of the SPAWR systems is built into our high power focus modules for heat treating, cladding, free forming, cutting and welding applications. Available in various sizes and power handling capabilities, in both 90 off-axis and close-pack Z configurations. Focal lengths and working distances to accommodate specialized applications. Shield cones, nozzles and air purge systems are also available for every need. Custom designs include integrated profiles, and scan/dither systems up to 50KW.

- Molybdenum mirrors for high durability.**
- Non corrosive heat exchangers.**
- Easy access to mirrors for cleaning.**
- All metal components**

SPAWR can also machine mount holes for your tube flanges and cones. Let us help you select the right module for your specific application. FAX, E-mail or call us with your beam diameter, power, wavelength, F/No required, focus spot size and working distance. SPAWR will furnish you with an envelope drawing of the optimum configuration



Model	Aperture	Configuration	Average KW CW
FM90-WC	0.8"	90 off-axis	0.5-10
FM90-Z-WC	0.8"	Z	0.5-10
FM015-WC	1.3"	90 off-axis	0.5-10
FM015-Z-WC	1.3"	Z	0.5-10
FM021-WC	1.6"	90 off-axis	1-14
FM021-Z-WC	1.6"	Z	1-14
FM041-WC	2.5"	90 off-axis	1-25
FM041-Z-WC	2.5"	Z	1-25
FM061-WC	3.5"	90 off-axis	1-50
FM061-Z-WC	3.5"	Z	1-50
FM081-WC	4.0"	90 off-axis	2-50
FM081-Z-WC	4.0"	Z	2-50
FM101-WC	5.0"	90 off-axis	2-50
FM101-Z-WC	5.0"	Z	2-50

¹ Depending on laser power