

MA SERIES PUMP CHAMBERS FOR Nd:YAG ACTIVE ELEMENTS

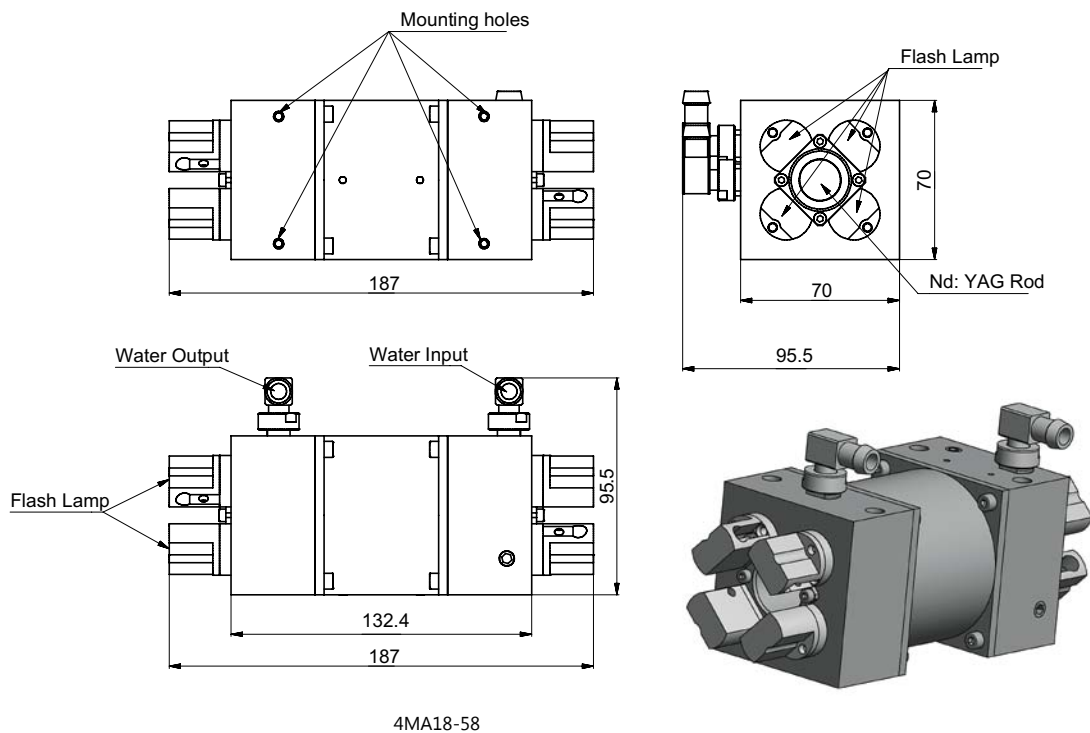
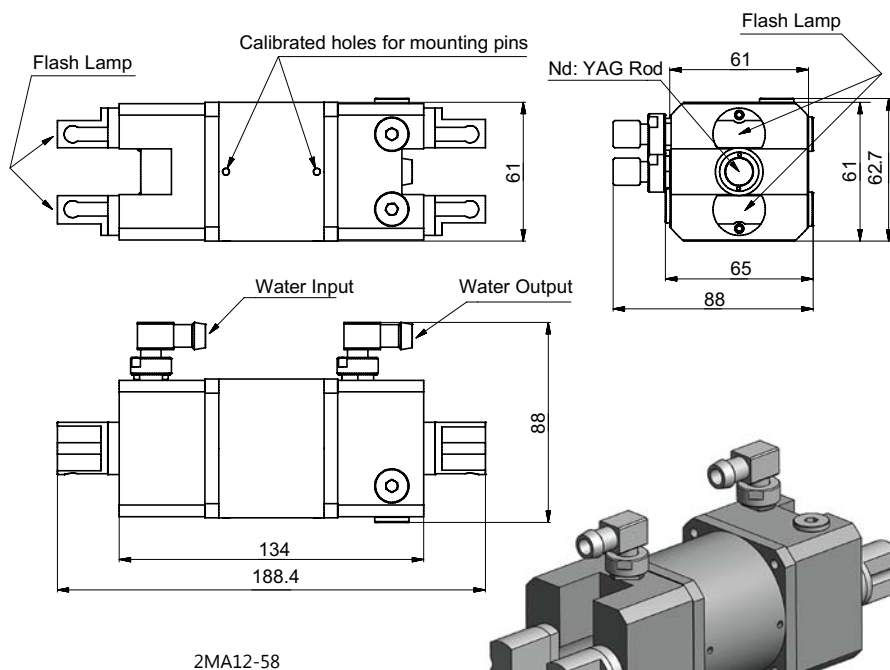
FEATURES

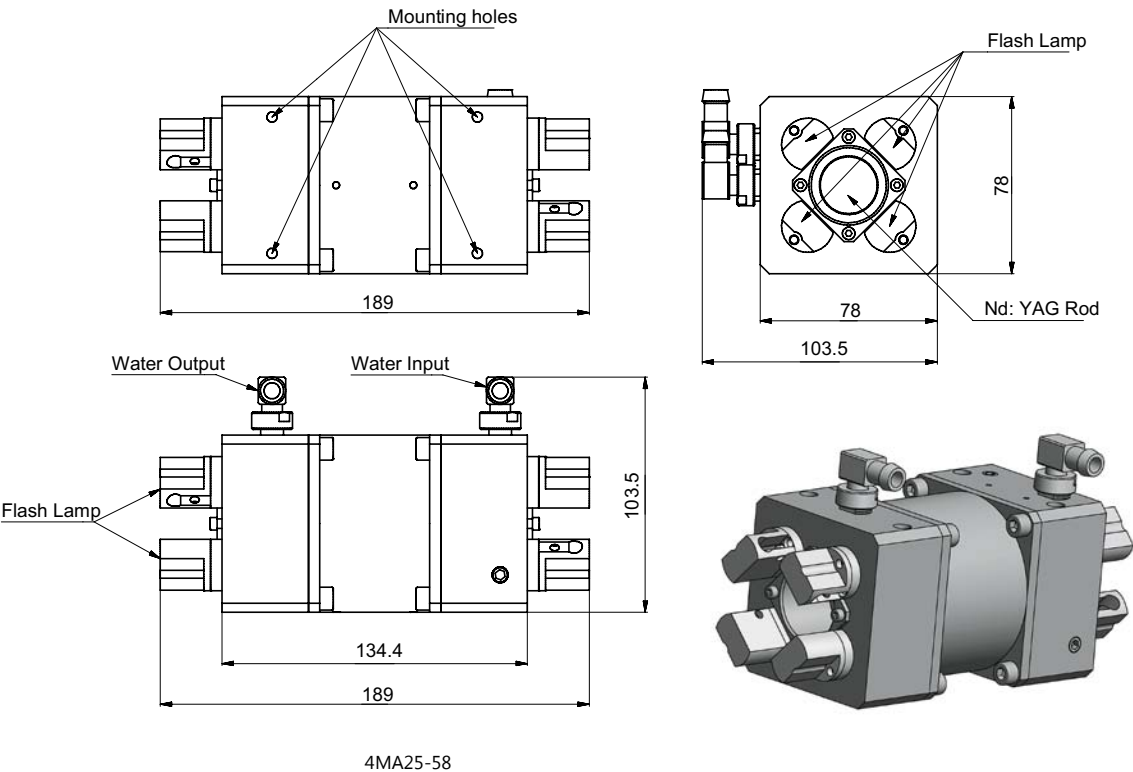
- FL-58 type flashlamps (5×58mm) for active element pumping
- O-ring type seals for flashlamp and active element
- Close coupling design for high pumping efficiency
- Diffuse high efficiency ceramics reflectors
- Active element – flashlamp sequential cooling scheme
- Sm-glass filter for removal of UV radiation
- Connectors for high voltage wires included
- Connectors for water hoses (9 (ID)×12(OD)) included
- Typical stored energy 1% of pump

SPECIFICATIONS

Model	2MA12-58	4MA18-58	4MA25-58
Active element dimensions	Ø12.2 × 85 mm	Ø18.2 × 85 mm	Ø25.2 × 85 mm
Quantity of Flashlamps (Ø5 × 58 mm)	2	4	4

Specifications are subject to changes without advance notice.





MA SERIES PUMP CHAMBERS FOR HIGH ENERGY GLASS AMPLIFIERS



Four lamp version of pump chamber for 40 × 300 rod size (type MA40-4).

MA series pump chambers for Nd:Glass rods are presented in table below. Customized versions can vary in rod sizes and quantity of flash lamps. PS5140 series power supplies are recommended for driving.

SPECIFICATIONS

Parameter	MA40-6	MA60-10
Rod size (diameter × length)	40×300 mm	60×300 mm
Type of flashlamp (bore × gap length)	16×250 mm	
Quantity of flashlamps	6	10
Recommended pumping energy (all lamps)	13000 J	22000 J
Beam height	180 mm	
Footprint size (including cable connections)	180×550 mm	
Chamber height (including mounting pad)	255 mm	265 mm