

Quantum

Technical specifications – Medium Pressure Technology



Quantum is a radical new low cost in line unit with the UV lamp positioned at 30° angle to the flow to maximise contact time. This in line design means reduced headloss and ensures optimum disinfection by ensuring all the fluid passing through the stainless steel UV chamber receives the minimum required UV dose.

A novel feature is its local control unit, which displays UV intensity, alarms and an hours run counter. This unit can be positioned adjacent to the UV chamber while the power unit can be located up to 30 metres away in a dry area.

This device is specifically for small flow industrial water applications (up to 150m³/hr) in the food, beverage, brewing, pharmaceutical and electronics industries. It is also ideal for treating water in small pools and spas.

Performance Table

Unit ref/ Power (kw)	Flow Capacity For Average dose 25mj/cm ² (m ³ /hr)		Flow Capacity For Average dose 40mj/cm ² (m ³ /hr)		Flow Capacity For Average dose 60mj/cm ² (m ³ /hr)		Maximum Design Flow (m ³ /hr)
	T ₁₀ = 100%	T ₁₀ = 95%	T ₁₀ = 100%	T ₁₀ = 95%	T ₁₀ = 100%	T ₁₀ = 95%	
QMD100A / (0.6)	39	33	25	21	16	14	60
QMD100B / (1.2)	60	60	51	43	34	28	60
QMD150 / (1.8)	150	147	120	95	75	60	150

POWER SUPPLY

Construction

- IP54/NEMA12.
- Epoxy coated steel, stainless option.
- 43kg.

Supply Voltages

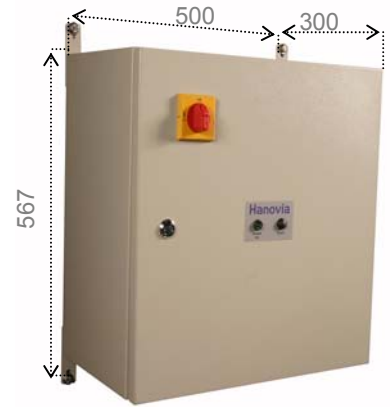
- 115V/230V 50/60Hz.

Features -Status indicators:

- Power on.
- Transformer over temperature.
- Chamber over temperature.
- Earth leakage fault.
- System reset.
- Hours run.
- LCU.
- Remote start.

Features - Customer interface:

- Remote start/stop.
- System trip.
- System reset.
- Lamp on.
- Chamber over temperature.
- Low UV (monitor option).



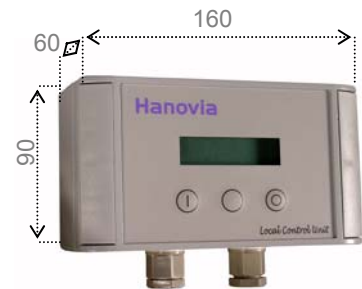
LOCAL CONTROL UNIT (Optional)

Construction

- Coated die cast aluminium.
- IP65.

Features

- Start/stop.
- Status indication: lamp on, hours run, system trip and UV intensity (monitor option).



CHAMBER

Construction

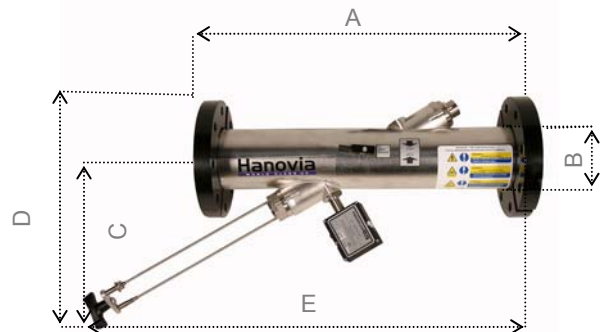
- 316 Stainless Steel.
- IP65.

Features

- High purity quartz sleeve.
- Working/ Test pressure 7/9 bar.
- Pressure loss <12mbar at max flow.
- Connection options: PN10,ANSI, JIS & tri-clamp (OD tube size).
- Over temperature sensor.

Options

- UV monitor.
- Manual wiper.
- Auto bleed sensor.



REF	A	B	C	D	E	kg
QMD100	600	4" NB	300	410	805	7
QMD150	800	6" NB	385	525	1055	12

Note: All dimensions (mm) are approximate for clearance purposes only. Design improvements may invalidate these dimensions. Drawings are available on request.

INSTALLATION NOTES

- Operational Temperature: 0/50°C
- Storage Temperature: -10/+50°C
- Install chamber horizontally
- Allow maintenance space around the system

World-wide distribution

Hanovia UV systems are readily available through selected distributors in most part of the world.

Technical and sales support staff

If you require any further information, our highly trained sales and service staff will help you select and install the best plant for your needs. Our comprehensive after-sales service includes a full range of spares and professional technical backup, with an optional service contract.

Hanovia
WORLD CLASS UV

Hanovia Limited
145 Farnham Road
Slough, SL1 4XB
England

- +44 (0) 1753 515300
- +44 (0) 1753 534277
- Sales@hanovia.com
- www.hanovia.com



HALMA GROUP COMPANY