

SAMPLE PREPARATION UNIT

MARK® 01 MK

Cooling, restriction, filtration and regulation of the sample flow rate. Temperature, pressure and sample flow rate indication. Temperature, pressure and cooling water flow rate indication (optionally). Sample preparation for water chemistry monitoring instruments at power engineering facilities.

- Continuous monitoring of the sample parameters and data transfer via digital and current outputs.
- Sample stable pressure maintaining.
- Alarm sound and automatic shut off the sample in case of the regime violation.
- Temperature and pressure thresholds for the sample automatic shut-off.
- Blowdown valve of the control line.
- Compact stainless steel panel 350*944 mm.
- One-way service.
- Easy-clean dismountable heat-exchange unit.



SPECIFICATION

Sample parameters	MARK 01 MK version /					
	7/40	7/250	7/560	32/40	32/250	32/560
Sample temperature at the sample preparation unit input, max, °C	40	250	560	40	250	560
Sample temperature at the additional heat-transfer unit output, max, °C	–	–	250	–	–	250
Sample pressure at the sample preparation unit input, max, MPa (kg/cm ²)	7 (70)			32 (320)		
Sample pressure at the sample preparation unit output, max, MPa	0,3					
Sample temperature at the sample preparation unit output, max, °C	50					
Sample flow rate range, dm ³ /h	0–60					
Weight, kg, max,	14	24	34	14	24	34

order information



BASIC KIT

Control unit MARK 01 MK
In-gate and blowdown valve
High/low pressure regulating valve
Main heat-transfer unit
Electric driven shutdown valve
Pressure control unit
Flow meter
Filter
Power-supply unit PS 01 MK
Additional heat-transfer unit

OPTIONALLY

MARK 01 MK version /

	7/40	7/250	7/560	32/40	32/250	32/560
Control unit MARK 01 MK	•	•	•	•	•	•
In-gate and blowdown valve	•	•	•	•	•	•
High/low pressure regulating valve	•	•	•	•	•	•
Main heat-transfer unit	•	•	•	•	•	•
Electric driven shutdown valve	•	•	•	•	•	•
Pressure control unit	•	•	•	•	•	•
Flow meter	•	•	•	•	•	•
Filter	•	•	•	•	•	•
Power-supply unit PS 01 MK	•	•	•	•	•	•
Additional heat-transfer unit			•			•

Cooling water rate display
Cooling water thermometer / manometer