

# 21c-100-3-Э-01

## Specifications

| DN, mm | Pp, MPa | Tmax of the Medium, °C | Body Material, Steel | Working Medium | Max. Pressure Differential, MPa | TQ, N·m, maximum torque at spindle plug | L, mm | N, kW | t хода, с. | H, mm | D, mm | D1, mm | Weight without Electric Actuator, kg | Full Weight, kg | Updated | S1, cm2 | S2, cm2 | Torque, N·m |
|--------|---------|------------------------|----------------------|----------------|---------------------------------|---|-------|-------|------------|-------|-------|--------|--------------------------------------|-----------------|---------|---------|---------|-------------|
| 100    | 9,8     | 540                    | 15X1 M1Φ             | пар            | 68,3                            | 1000                                    | 400   | 0,3   | 10         | 137   | 112   | 146    | 183                                  | 220             | 0       | 0       | 0       | 0           |

### Legend

**DN** - Nominal Diameter  
**PN** - Nominal Pressure  
**P** - Pressure

**Tmax** - Maximum Design Temperature  
**Mкp** - Spindle Torque  
**t** - Response time  
**μ** - Fluid Flow Coefficient

**h** - Valve Stroke  
**Kv** - Throughput Capability  
**F** - Seat Area  
**ζ** - Resistance Coefficient

The pressure-compensated control disc valves of type 21c are intended for the control of the feed water and steam flow. They are installed in the power centers of steam generators, PRDS and FRPRDS. The valves are used as all-mode control bodies.

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