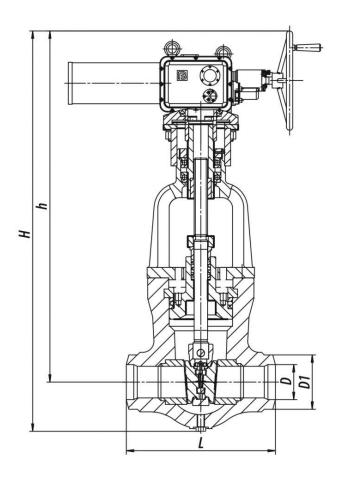
# 1120-100-ЭМ 850-450-ЭН



Production according to TR 3740-002-15365247-2004

**Pipeline connection:** welded connection. **Installation position on the pipeline:** any position. When installing gate valves with an electric actuator on vertical areas, an additional mounting support is necessary for the actuator in order to avoid the trolley deformation.

Working medium supply direction: any direction. Gate sealability: according to class A GOST 9544-2015. Climatic version: У, ХЛ, УХЛ, T according to GOST 15150-69.

**Placement category:** 1, 2, 3 according to GOST 15150-69.

Handwheel force: not more than 300 N.

We can manufacture the gate valves considering specific working conditions upon the customer's demand.

## **Specifications**

DN, mm	PN, MPa	Tma x of the Med ium, °C	Bod y Ma teria I, Stee I	king	Oper atin g Str oke, mm	N∙m,	ζ, not mor e than	Full Stro ke R otati on N umb er	L, mm	Diffe renti al pr essu re, MPa , not mor e than	Cont rol Met hod	Mot or M odel	N, kW	t ход а, с.	H, mm	h, mm	D, mm	D1, mm	Wei ght out Elec tric Actu ator, kg	Full Wei ght, kg	Torq ue, N*m
100	37,3 *	280	20	Wat er	110	470	0,4	18	400	0,4	Э	H- B-08	3,2	46	129 0	115 5	98	146	191	303	0

#### Legend

**DN** - Nominal Diameter **PN** - Nominal Pressure **P** - Pressure Tmax - Maximum DesignTemperatureΜκρ - Spindle Torquet - Response timeμ - Fluid Flow Coefficient

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

They are only used for turning on and off the pipeline. The usage of the gate valves as control devices is not allowed.

When using gate valves in the pipelines, wherein the heating-up mode at the closed gate and water-filled internal cavity are provided, they shall

be equipped with a discharge device. Such device may be produced in form of a pipe connecting the internal cavity of the gate with the pipeline on the side of the medium supply with a valve DN20 installed thereon, or in form of a through hole with the diameter of 5 mm in the plate on the side of the medium supply.

The valve configuration is adapted to application of electric actuators manufactured by the following companies:

Э - Barnaul Boiler Plant, LLC; CHZEM;

ЭГ – GZ Elektroprivod, Moscow;
ЭЧ – ABS ZEIM Automation, OJSC, Cheboksary;
ЭН – BETRO-Tech, Berdsk;
ЭМ – Tulaelektroprivod, Tula;
ЭК – ZPA Pecky, Czechia;
ЭД – AUMA, Germany;

other manufacturers with standard connection units.

The allowed values of operating pressures and temperatures for the fittings may differ from those ones given in the table with technical specifications and are chosen in accordance with GOST 356-80, provided that they shall not exceed the limits prescribed by the respective State Supervision Rules and Standards for these materials and operation conditions.

## According to GOST 356-80, the items designed for the ultimate pressure allow their application on operating parameters within the following range:

at PN 10 MPa – from 10 MPa, 200 °C to 3,6 MPa, 455 °C; at PN 25 MPa – from 25 MPa, 200 °C to 9 MPa, 455 °C; at PN 6,3 MPa – from 6,3 MPa, 200 °C to 2,3 MPa, 455 °C.

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