

SHUT-OFF VALVES

Shut-off valves with a locking device in the form of tilting disk are used to prevent backflow of transferred fluid. They are applied to piping of compressor stations with the purpose to protect the equipment from effect of the gas backflow during emergency shutdown of gas-compressor units, as well as to prevent gas leakage in case of the pipeline depressurization.

Shut-off valves are intended for installation on horizontal pipelines above or under the ground. Connection pipes with following welding may be furnished if it is required by assembly conditions. Edge preparation (configuration and dimensions) of connection ends of the pipes enables welding to a pipeline without adapters. Shut-off valves are atmospherically tight.



Climatic version YXJI1 is according to ГОСТ 15150-69

Manufacture and delivery are fulfilled as per ТУ 51-0303-10-96

Working fluid is non-aggressive natural gas

Working fluid temperature is -10°C up to $+80^{\circ}\text{C}$

Rate of working fluid is not more than 20 m/s

Ambient temperature is -60°C up to $+50^{\circ}\text{C}$

Time for complete closing during rate reduction down to zero is 5 sec

Specified service life of valves is 30 years

Materials used for manufacture:

Basic components – steels 09Г2С, 10Г2

Connection pipes for welding – steel 09Г2С

Basic performance data

Article reference designation	Design document designation	DN, mm	PN, MPa	Resistance head at gas rate 10 m/s, MPa, not more	Transmittance of working fluid in shut-off valve at pressure drop $\Delta P=PN$, dm^3/min , not more	Overall dimensions and dimensions of connecting ends for welding, mm						Weight, kg, not more
						L	B	H	h	D1	D2	
19Лс62НЖ	30.2.00.00.00	700	8,0	0,010	19,3	1500	1830	1366	650	688	731	3700
19Лс62НЖ	30.1.00.00.00	1000		0,015	27,6	1900	2130	1830	900	986,6	1030	7690

