

**Gas turbine power units**

Equipment of Municipal Enterprise "Kharkiv Heat Networks"			Equipment for connecting through gas distribution networks				Equipment for connecting through power distribution networks
No.	Electric capacity	Output voltage	Gas meter size*	Metering unit*	Gas pressure regulating cabinet (GPRC)*	Additional compressor unit	Energy equipment
1	54 MW	11 kV	FLAWSIC600 G4000 DN300 (1:100) min 65 max 6500 - 2 pcs. per unit	Gas metering cabinet FLOWSIC600 - 2 pcs. per unit	Additional compressor unit and GPRC - 2L - 500x600 - 3/3 FL + MB5 DN250 PN16 + PS/79-2 + OS/80X-BPA are needed	Increase from 0.15 MPa to 0.6 MPa	
2	40 MW	11 kV	FLAWSIC600 G4000 DN300 (1:100) min 65 max 6500 - 2 pcs. per unit	Gas metering cabinet FLOWSIC600 - 2 pcs. per unit	Additional compressor unit and GPRC - 2L - 500x600 - 3/3 FL + MB5 DN250 PN16 + PS/79-2 + OS/80X-BPA are needed	Increase from 0.15 MPa to 0.6 MPa	
3	40 MW	11 kV	FLAWSIC600 G4000 DN300 (1:100) min 65 max 6500 - 2 pcs. per unit	Gas metering cabinet FLOWSIC600 - 2 pcs. per unit	Additional compressor unit and GPRC - 2L - 500x600 - 3/3 FL + MB5 DN250 PN16 + PS/79-2 + OS/80X-BPA are needed	Increase from 0.15 MPa to 0.6 MPa	
4	40 MW	11 kV	FLAWSIC600 G4000 DN300 (1:100) min 65 max 6500 - 2 pcs. per unit	Gas metering cabinet FLOWSIC600 - 2 pcs. per unit	Additional compressor unit and GPRC - 2L - 500x600 - 3/3 FL + MB5 DN250 PN16 + PS/79-2 + OS/80X-BPA are needed	Increase from 0.15 MPa to 0.6 MPa	A 110 kV cell including: 110 kV electric gas switch - 1 pc; 110 kV disconnecter - 2 pcs.; Surge arresters nonlinear - 3 pcs.; 110 kV current transformer - 3 pcs.; A relay protection and automation (RPA) panel with a microprocessor device and power direction + alarm system - 1 pc.; backup protection panel - 1 pc; control panel - 1 pc; power cables "КВВГЕнр 4*2,5" - 2,5km; "КВВГЕнр 19*2,5"-2km; "КВВГЕнр 10*2,5" - 2,5km; "КВВГЕнр 4*7" - 2km; "AC-240"-2km; blocking relay - 10 pcs.; cable trays - 200 pcs.; external man-machine devices - 10 pcs.; suspended insulation LK-110 kV-100 pcs.; line traps - 10 pcs.; accounting devices - 70 pcs.; terminal block (TM and TV)-31pcs; current-limiting reactors-6 pcs.; portal racks-8 pcs.; portal rack jumpers- 4 pcs.; line fittings -100v

Note: References to a specific trade mark, firm, source of origin or manufacturer should read in conjunction with "or equivalent"