



Oil Pumping Station

Oil Pumping Station is designed to transfer oil through oil gathering and treatment systems, as well as to feed treated oil into inter-field pipelines.



Specifications

The Oil Pumping Station comes complete with centrifugal segmental-type pumps, multi-stage pumps or other types as required by the Customer, as well as with filters, process piping, isolation valves and instruments.

Oil Pumping Station can be housed in a shelter or on an open skid. It comes in various design versions and configurations made to suit the requirements of each individual customer.

Shelters are equipped with hoisting mechanisms, electric-panel or hot-water heating systems, lighting, ventilation, gas detectors and fire alarms.

At customer's option the station can be further complemented with monitoring equipment designed to monitor control and alarm systems

Depending on the size and the number of pumps used, the Pumping Stations are built as modular units measuring 3x9x2.95m, 3x6x2.95m.

If two, three or more pumps are to be housed in modules, modules are combined into a single process building.

Item designation

Ordering information:

Oil Pumping Station HH-300-XЛ1 as per TY3667-008-56562997-2003, where:

300 refers to the capacity, m3/day;

XЛ1 refers to the climatic rating (from -600C to +400C).

Technical Data

Process fluid	oil
Single pump oil capacity, m3/h	from 13to 300
Delivery head in meters of water column	from 70 to540
Air temperature inside module, oC, above	+ 5
Building explosion and fire hazard class under Fire Safety Code - НПБ 105-03	A
Fire resistance rating as per SNiP 21-01-97	III
Ambient temperature, 0C	from -60 to +50

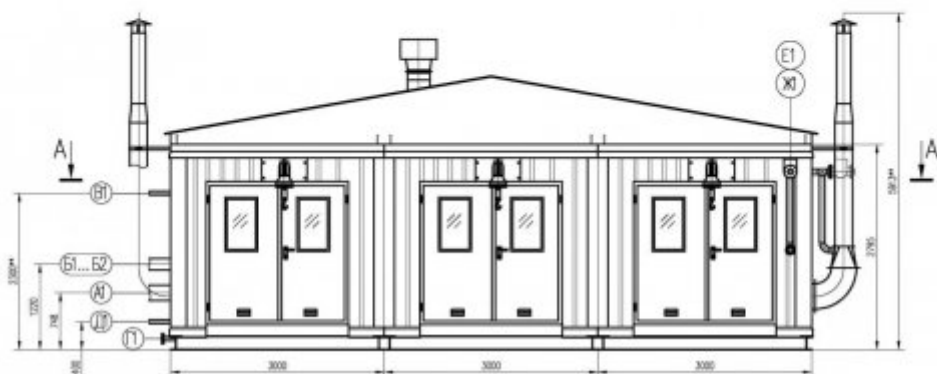
Technical Parameters and Specifications of Pumping Stations with Two Pump Units

Parameters	Standard sizes					
	HH-300	HH-900	HH-1400	HH-2500	HH-4300	HH-7200
Capacity, m3/h, max. - with one pump in operation	13	38	60	105	180	300
Suction pressure, MPa	0,10 - 0,2	0,10 - 0,2	0,05 - 0,6	0,05 - 0,6	0,05 - 0,6	0,05 - 0,6
Discharge pressure, MPa	0,7 ÷ 3,5	0,44 ÷ 2,2	0,66 ÷ 3,3	0,98 ÷ 4,4	0,85 ÷ 4,25	1,2 ÷ 5,4
Number of pumps	2 (1 operating + 1 standby)					

Process fluid	oil					
Process fluid temperature, oC	+1 up to +45 (+60)					
Area classification as per ПУЭ (Electrical Installations Code)	B - 1a					
Module dimensions, m: L max, W max.	6 3	6 3	6 6	9 6	9 6	9 6

As more pumps are put into combined operation, the capacity of the Pumping Station increases two or three-fold and more.

Oil Pumping Station with Sigma pump 80-CES-200-12/14-OU-FE



Nozzle Listing

Designation	Purpose	Qnt.
-------------	---------	------

A1,2	Oil inlet	2
Б1,2	Oil outlet	2
Д	Drain	1
Р1,2	Floor drainage	2
Х1,2	Power cable entry	2
Л	Instruments cable outlet	1
Э	Electrical equipment cable entry	1
П1,2	For foam lines	2



