



Manifold unit BM-40R1

The unit is designed for binding the pumping plants with each other and with the wellhead equipment when injecting the liquid into the well.

Indicants	BM-40R1
Handling medium	Liquid media used in cementing and preflush and overflush operations
High pressure cranes:	
Brand	KSH-BRS2"
Nominal passage, mm	50
Working pressure, MPa	40
Discharge header	
Maximum working pressure, MPa	40
Nominal passage, mm	100
The number of connected lines	6
The number of lines reducible to the mouth	2
Nominal passage of the connected lines, mm	50
Safety valve	Nonexpendable
Distributing collector	
Maximum working pressure, MPa	2.5
Nominal passage, mm	100
The number of connected lines	10
Nominal passage of the connected lines, mm	50
Plant dimensions:	
- length, mm, max.	8500
- width, mm, max.	2 500
- hight, mm, max.	2800
Auxiliary piping:	
Total length of pipes, m	50
Nominal tube passage, mm	50
Number of swinging elbows for pipe connection	12
Lifting boom:	
Cargo capacity, kg	500
Boom length, mm	1600
Chassis KAMAZ 43502*:	
- labeling	43502-45
- engine capacity, l.s., model (EURO-4)	260, 740.652-260
- wheel arrangement	4x4
- gear box	ZF 9S1310 or 154
- starting engine preheat	14TS or 16ZHD
- dimension of tires	425/85 R21 or equivalent
- wheel base	4180
- frame rear overhang	1815
*tolling chassis	

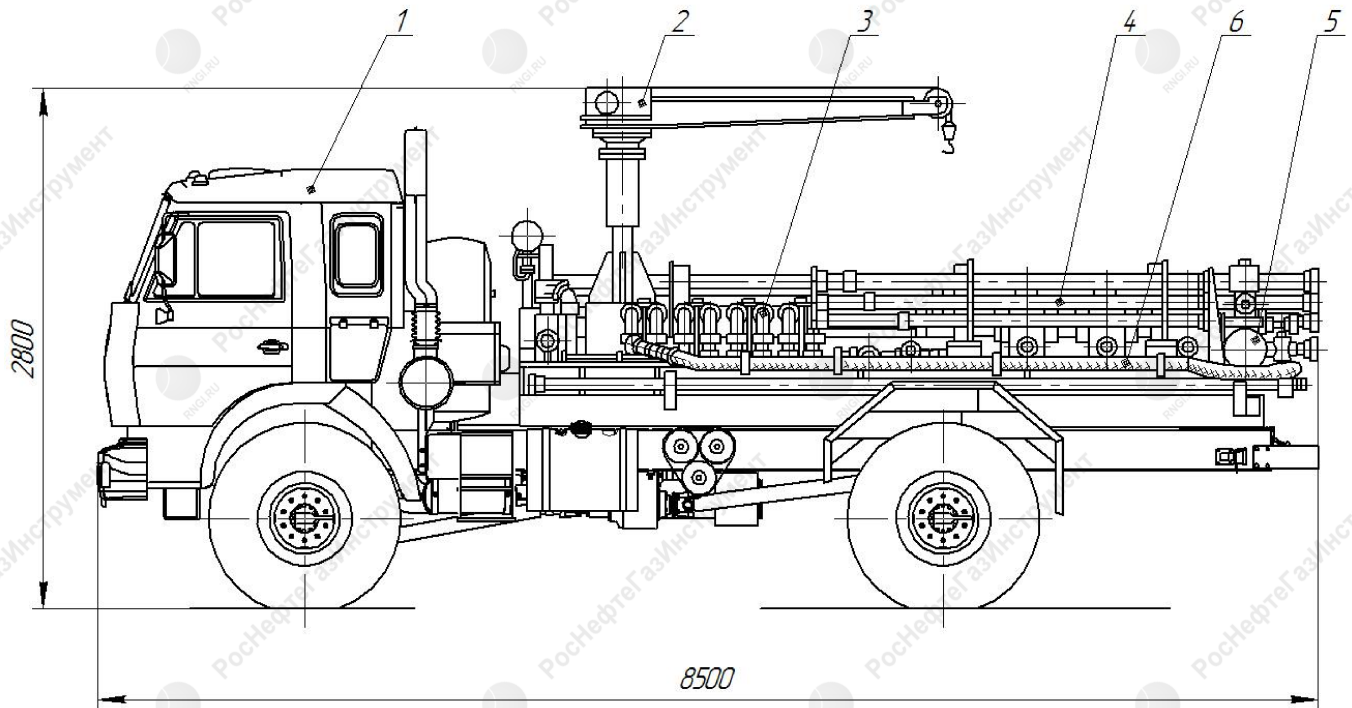


Fig. 1 Manifold unit BM-40P1

Plant components (Fig. 1): 1 - car chassis; 2 - rotating crane; 3 - pressure set of flanged pipes; 4 - pressure auxiliary pipeline; 5 - distributing header; 6 - auxiliary hose.

Work description

Discharge header consists of three valve boxes with six outlets that serve to connect the pressure lines of the pumping units. On one side, a straight way valve is attached to each valve box, on the other side a central pipe is connected ending with a tee fitting with a safety valve and two branch pipes with plug valves and sleeve nuts for connecting pressure pipelines.

Receiving and distributing collector is a pipe with ten nipples welded to it; each of them is attached to a ball valve. The collector has a safety valve installed on it.

There is a site on the platform for transportation of the wellhead equipment, loading and unloading of which is done by a swinging boom of the manifold unit.

The plant is equipped with lighting of the working site, equipment, and controls. The plant is provided with stairs and a site with rails for handling, maintenance and repair of the attached implements.