

Hydrostatic bailer type ZhGS

The hydrostatic bailer is used to clean oil, gas and expendable wells with low formation pressure from clay mud, sludge, sand, incrustation and small metallic pieces.

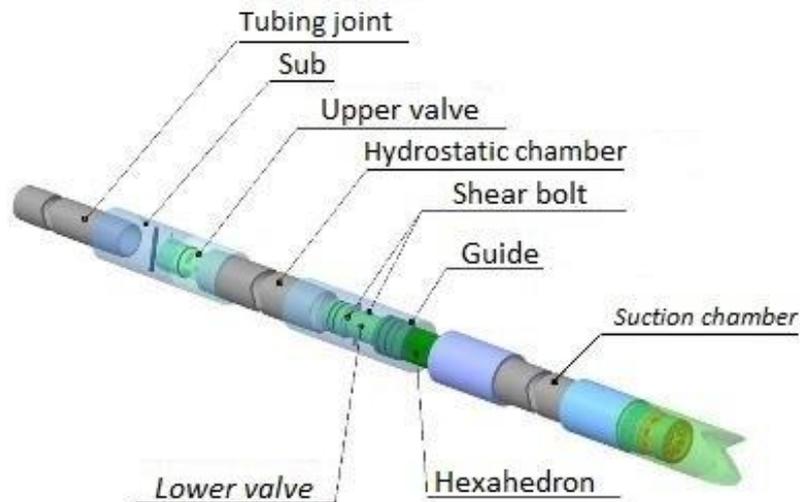


Fig. 1.

1. Setup and operation principle

The hydrostatic bailer consists of upper valve, lower valve, hydrostatic chamber, suction chamber, and lower body with funnel and catcher (Fig. 1).

Sub has connection thread NKT Sh89mm for connection with fishing string. Sub is connected with body of upper valve by thread. Upper valve piston is located in body of upper valve. Upper valve body is connected to static chamber with thread NKT Sh89mm. As static chamber tubing pipes with nominal diameter 89 mm are used. In normal position upper valve is closed and piston of upper valve is fixed by shear pin in body of upper valve. A ring is installed for sealing joint.

Technical parameters

Main parameters of hydrostatic bailer type ZhGS

Name	ZhGS-95	ZhGS-108
Connecting thread, API	Non-upset tub	Non-upset tub 2 7/8
Maximal outside diameter, in	3.74	4.25
Lift capacity, lb	179 840	224 800
Length of nozzle and box of fishing tool, ft	1.28	1.35
Length of lower valve, ft	0.9	1.82
Length of upper valve, ft	1.1	1.08
Length of holding chamber, ft	Computed	Computed
Weight (without tubing pipes), lb, not more - with catcher	100.8	110.8