

RIFLON

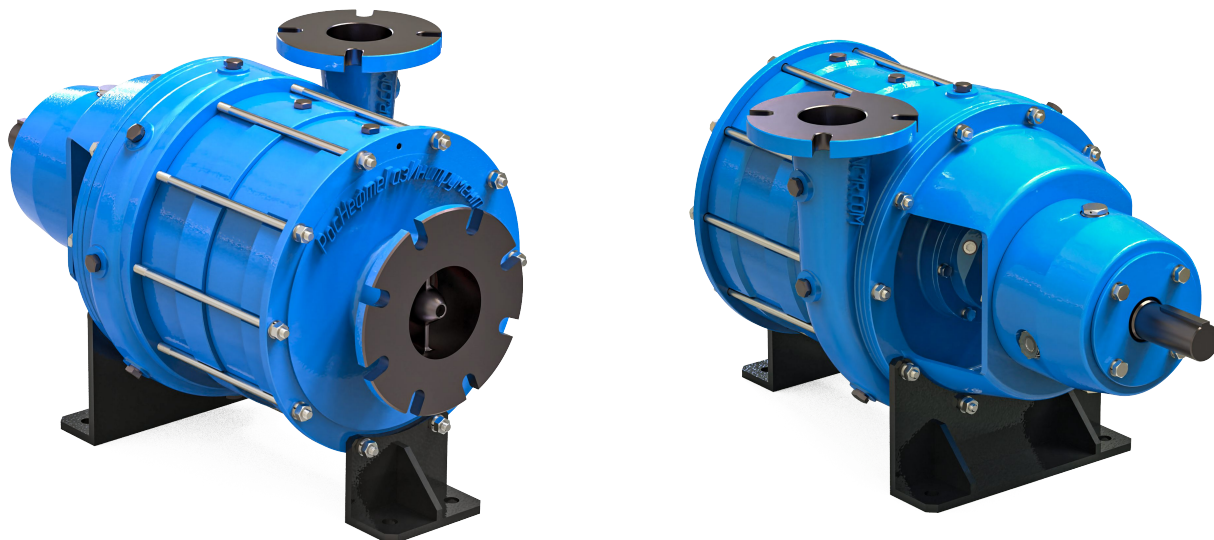
riflon.com



Centrifugal horizontal
multistage pump

NC.3-76R1.Riflon

NC.3-76R1.RIFLON CENTRIFUGAL HORIZONTAL MULTISTAGE PUMP



The NC.3-76R1.Riflon right-hand centrifugal horizontal multistage pump (4" x 3" x 12") is designed for:

- pumping water and other mechanically and chemically non-aggressive liquids;
- fire suppression systems;
- supplying water from a reservoir to irrigation machines, sprinklers, water cannons, etc.

Pumped fluid properties:

Handled medium
Hydraulic fluid density, kg/m³
Temperature, °C

Clear water
up to 1100
+5 ... +55

Technical specifications:

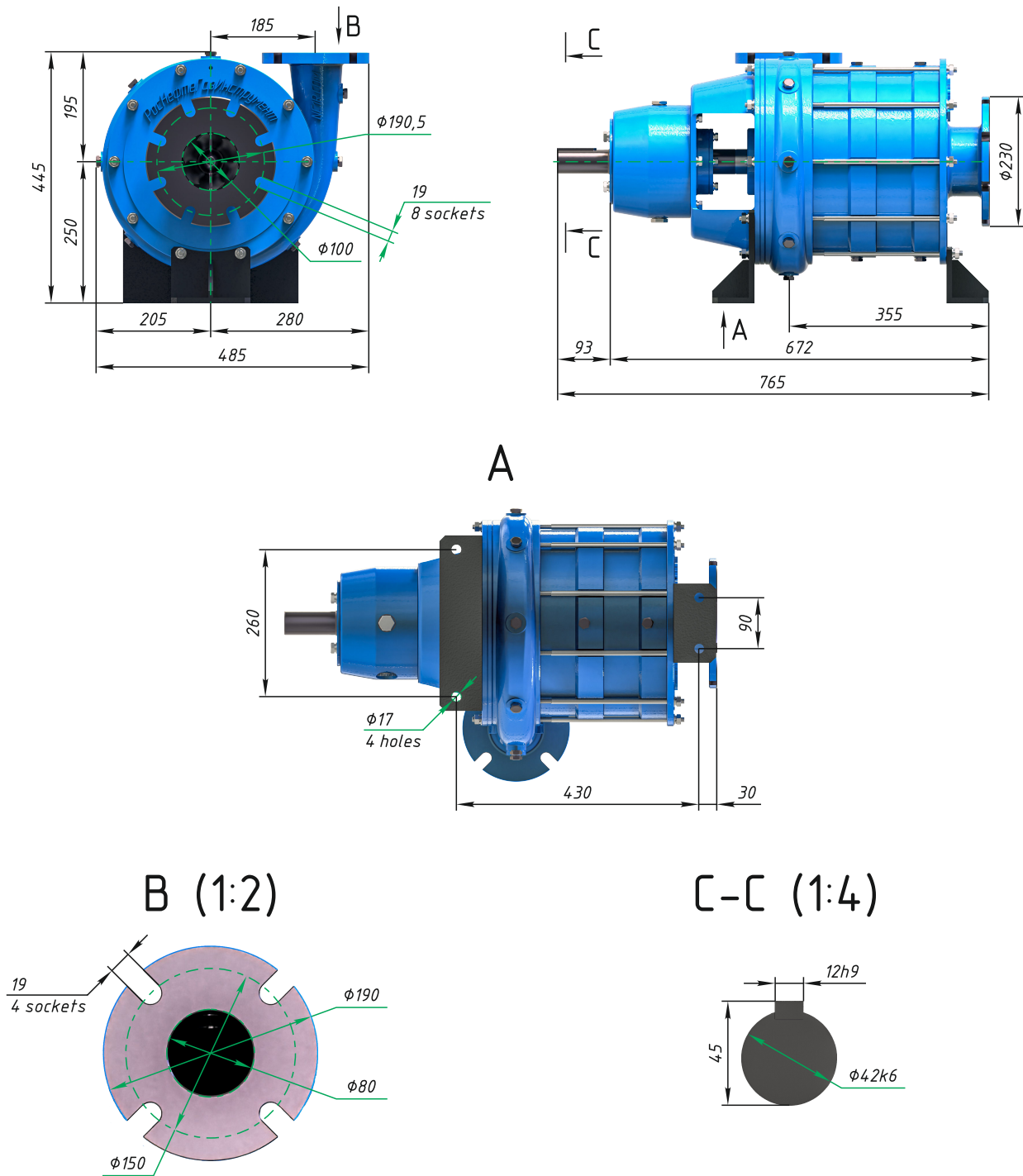
Pump overall dimensions (LxWxH), mm
Upstream end diameter, mm
Downstream end diameter, mm
Impeller diameter, mm
Maximal speed, rpm
Weight, kg, ±3%
Maximal head, m
Maximal flow, m³/h (lps)
Component materials:
- Impeller
- Wear rings
- Other components

765x485x445
100 (4") ASME/ANSI B 16.5 Class 150
80 (3") ASME/ANSI B 16.5 Class 150
310 (12")
2100
150
165
170 (47,2)

AISI 420
Bronze
AISI 5140

NC.3-76R1.Riflon (4" x 3" x 12") Centrifugal pump. Dimensions.

Figure 1

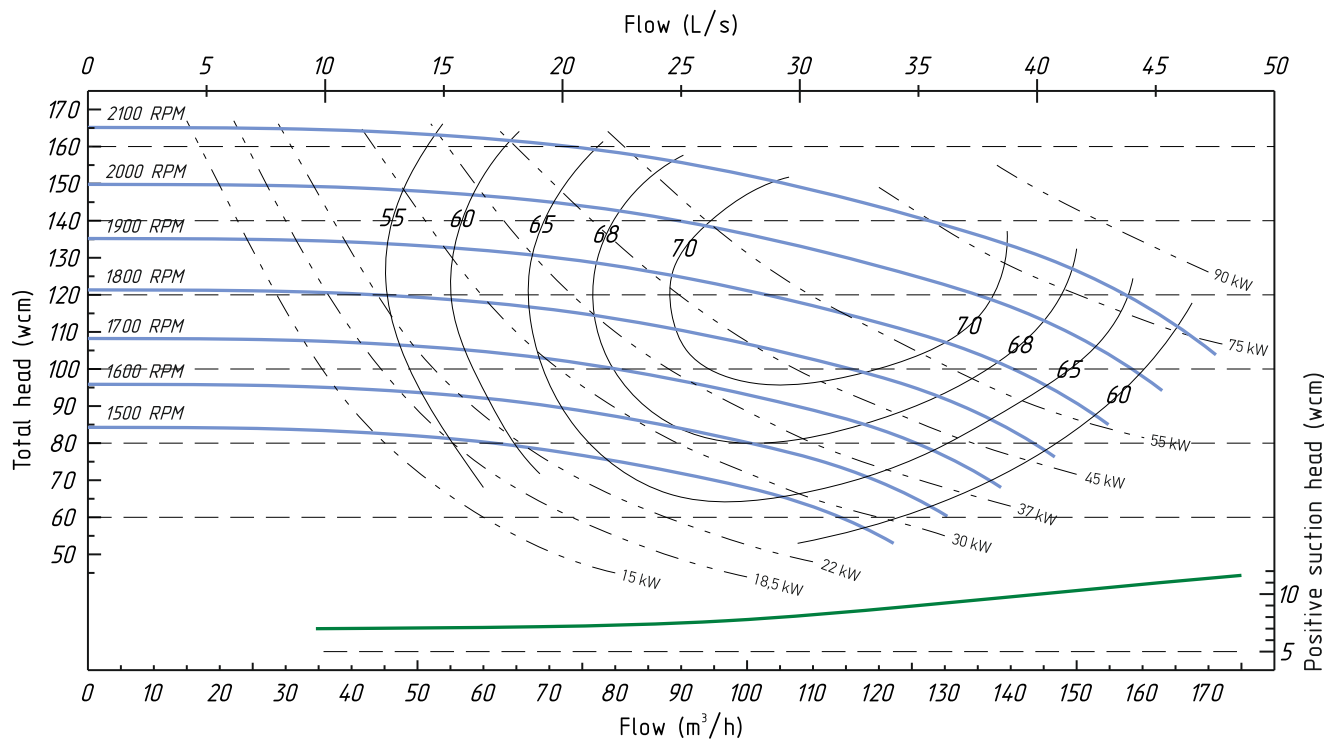


Pump modifications

Typesize	Connection	Rotation	Required performance
NC.3-76R1	Coupling	C.W	☐
NC.3-76LR1	Coupling	C.C.W	☐

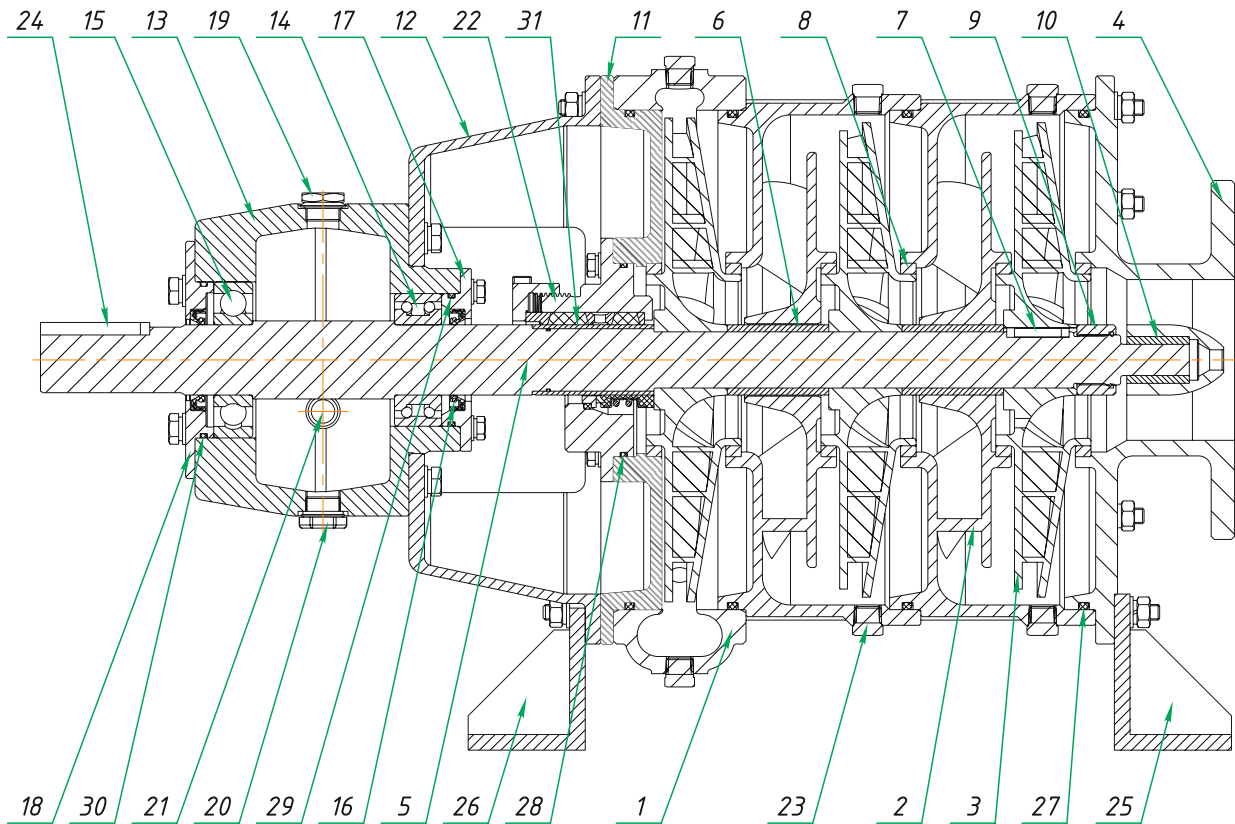
Additional parameters

Name	Approach	Required performance
Shaft seal type	Gland seal	☐
	Single mechanical seal (stuffing box is standard)	☐
	Double mechanical seal (stuffing box is standard)	☐
	Counter-flanges with a mounting kit and gaskets	☐



Pump card

The NC.3-76R1.Riflon (4" x 3" x 12") centrifugal multistage pump manufactured by RosNefteGazInstrument is a small and compact device for pumping relatively small volumes of water under high flow. This pump is specifically designed for agricultural use. Modern CNC equipment is used in the pump's production. Our centrifugal pumps can be used in a variety of industrial applications.



NC.3-76R1.Riflon (4" x 3" x 12") Centrifugal pump. Structure.

1	Volute diffuser with downstream end 3"
2	Vaned diffuser
3	Impellers 12"
4	Upstream end 4"
5	Shaft
6	Spacer sleeve
7	Impeller key
8	Wear rings
9	Nut
10	Saddle bearing
11	Rear wear-related shrouds
12	Stud
13	Bearing housing
14	Radial thrust ball bearing
15	Radial ball bearing
16	Oil Seals
17, 18	Front and rear bearing cap
19, 20	Filler and drain plugs
21	Oil-level indicator
22	Shaft seal
23	Blind plug K 3/8" GOST 6111-52
24	Shaft key
25, 26	Front and rear brackets
27, 28, 29, 30	O-Rings by GOST 9833-73
31	Shaft protecting sleeve

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