



POWER PLANT EQUIPMENT

AIR PREHEATER PACKING BLOCKS RVP-68, RVV-54

Cold and hot layer packing blocks function as thermal energy accumulators and are used for packing regenerative air preheater. Packing blocks consist of alternating flat and corrugated sheets closely packed in trapezium-shaped framework. Packing material: commercial quality carbon steel of 08KP, StZps grade with thickness from 0.5 up to 2 mm.

SPECIFICATIONS	VALUE			
Type	#1	#92	#93	#94
Height, mm	1300	1300	1300	1300
Dimensions, mm:	83x264x684	282x462x684	478x658x684	335x425x684
Weight, kg	143	278	417	288

Manufacturing period – 100 days

**PULVERIZED-COAL FEEDER ULPP-2-69**

Pulverized-coal feeder ULPP-2-69 is intended for the uniform metered feed of pulverized coal from the intermediate hopper to the pulverized-coal burner and for intermediate hopper cut-off in order to prevent inadvertent pulverized coal flow to pulverized-coal conduit. It is used at the SDPP boiler units. Pulverized-coal feeder is of double-impeller design, vane-type with the vertical impeller configuration and with 2 discharge nozzles. Basic type of pulverized-coal feeder components mating is the detachable connection. Feeder is featured by all bearing subassemblies mounted outside the pulverized coal feed area, of which reliable pressurization ensures long-lasting service life. Design and manufacture of other size pulverized-coal feeders and spare parts thereto is possible.



SPECIFICATIONS	VALUE
Max. capacity, t/h	7
Number of discharge nozzles, pcs	2
Discharge nozzle size, mm	115
Metering impeller diameter, mm	0565
Drive:	
- reduction gear type	worm P46
- gear ratio	49
- electric motor type	4ПД112М104
Power, kW	2
Rotation speed, rpm	1500
Voltage, V	220
Overall dimensions, mm:	1380x1935x1430
Weight, kg	1133

Manufacturing period – 90 days

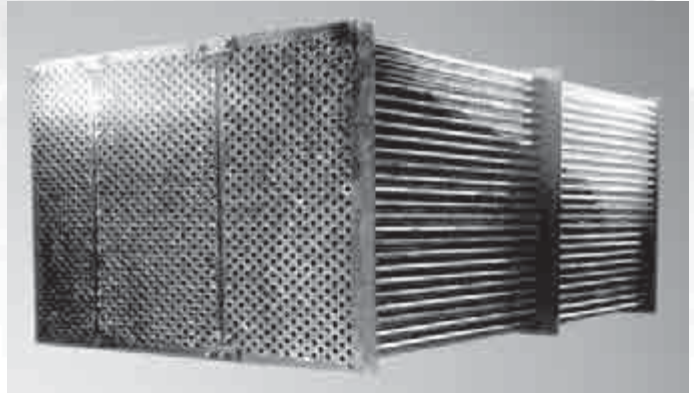
STRAIGHT-TUBE AIR PREHEATERS

Straight-tube air preheaters are used for air heating by flue gases for combustion in the TPP and SDPP burner units.

Air preheaters are assembled of individual sections over the boiler unit width. Section consists of upper and lower tubesheets, in which the staggered thin-walled steel welded tubes are welded-in. Optional completing with bell-shaped cups is possible, which allows reduction of air preheater wear and extension of mean time between overhauls.

Advantages:

- extension of mean time between overhauls.



SPECIFICATIONS	VALUE
Air preheater section height, mm	3500...6000
Tube diameter, mm	40...51
Tube wall thickness, mm	1,5
Air heating temperature, °C	200...250
Weight, kg	10200...15500

Manufacturing period – 90 days

REDUCTION GEAR RVV

Reduction gear is used in the rotational mechanism drive of the rotary regenerative air heater of RVV-54 type. Reduction gear design adopts solutions allowing prevention of oil leakage through the vertical shaft seals.

Advantages:

- high reliability;
- extended service life.

SPECIFICATIONS:	VALUE
Minimum thru shaft torque, Nm	4000
Rated gear-ratio	61,37

Manufacturing period – 60 days

