

STOKES, 615 MHR (Horizontal flow) Description:

The booster pumps are single stage, positive displacement precision engineered machines. You must use the booster pump with a suitable backing or roughing pump. The booster pump is not intended for stand-alone operation. The pump gears provide for quiet operation while maintaining proper impeller timing. The booster pumps are supplied as standard with keyless timing, drive side roller bearings, mechanical vacuum seal, and large oil-level sight-glasses. These features provide for ease of maintenance and improve reliability.

Direct drive booster pumps are supplied with hydrocarbon lubricating oil in the oil reservoirs. Standard bareshaft booster pumps are also supplied with hydrocarbon lubricating oil in the oil reservoirs. Special service (oxygen service) bareshaft booster pumps are specially prepared free of hydrocarbons in the factory and are supplied without oil in the reservoirs. You must use PFPE lubricating oil in special service (oxygen service) pumps.

MSeal booster pumps have a mechanical shaft seal on the drive shaft, and labyrinth shaft-seals between the gearbox and the swept volume. Process isolation booster pumps have a mechanical shaft seal on the drive shaft, and mechanical seals between the gearbox and the swept volume.

H model booster pumps have vertical connections and are configured for horizontal gas flow through the pump.