+ JISKOOT MS53 LabMix

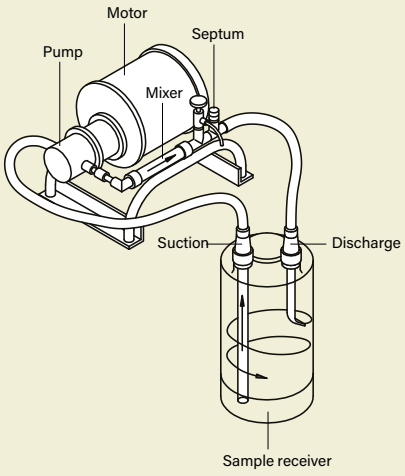
Laboratory sample mixing system

APPLICATIONS

+ Onsite sample mixing

FEATURES

+ Pneumatically driven or electrical pumped
+ loop for ensuring thorough sample mixing
+ Keyed connectors to prevent operator errors
+ Direct deposition into laboratory glassware
+ or analyzers
+ Interfacing with other sample receivers
+ Optional septum to draw off sample with syringe



Accurate sampling requires that the integrity of the sample be maintained at each step of the sampling process. Receivers, mixing systems, and procedures are specifically chosen based on the type of fluid that is being sampled. The JISKOOT MS53 LabMix* laboratory sample mixing system provides a controlled and accurate solution.

Once a sample is collected in a portable receiver, it may be many hours before it is analyzed. During this time, the heavier components, such as water, will fall out and separate. To ensure that the sample withdrawn for analysis is representative, the contents must be thoroughly mixed. The JISKOOT MS53 LabMix system provides an electrical or pneumatically driven pumped loop to perform this function. The system is designed to be situated on a laboratory bench with the receivers placed on the floor. Samples may be drawn from a takeoff valve or through an optional septum. The mixer can also be mounted in a heated enclosure to mix temperature-critical oils.

JISKOOT MS53 LabMix System Specifications		
Fluids	Crude oil, condensates, and refined products	
Pump	Direct coupled with integral relief valve, 5 galUS/min [20 L/min]	
Driver—electrical	0.5-hp, flameproof and explosion-proof motor for single-phase or three-phase power; supplied with switch	
Driver—pneumatic	Air motor with regulator and silencer, 15 ft^3/min at 40 psi [25 L at 2.75 bar]	
Mixer	Typically six ¾-in elements (depends on viscosity range)	
Viscosity, cS	1 to 500 (extended viscosity range available on request)	
Connections	Hoses	Nitrile-rubber-lined hydraulic; supplied 5 ft [1.5 m] (can be cut to suit)
	Inlet	¾-in female Q-R coupling
	Outlet	½-in female Q-R coupling
	Drawoff(s)	¼-in valve (optional septum)
Standard fittings	Integral relief valve	
Dimensions, in [mm]	11 × 221/2 × 14 [280 × 570 × 363]	
Weight, lbm [kg]	83 [37.5]	
Certification	ATEX Eex d IIC T3	
	UL FM Class I Div. 1 Group D	