

IFS: Automated Influent Feed System

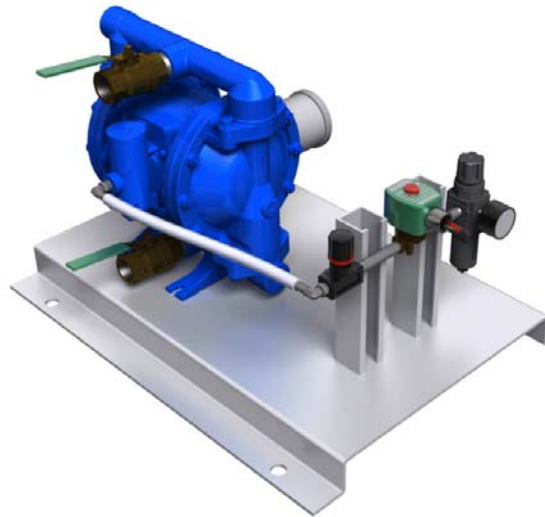
The IFS Influent Feed Systems are provided to transfer wash water from the collection sump to the treatment system inlet.

The IFS consists of the following components:

- Air operated diaphragm pump
- Air preparation and control assembly
- Level switches (high & low)
- Automatic controls
- Pump skid

The IFS pump skid is installed near the collection sump and plumbed into the sump. The level switches are mounted in the sump to detect the high and low water level and activate and deactivate the pump based on these levels.

Controls in the Master Control Panel (MCP) located on the VEW skid provides both manual and automatic on/off control. The MCP also provides automatic shutdown based on a high water level condition in the oil water separator effluent chamber to stop water from entering the separator.



IFS Feed Pump Detail

Model	Flow Rate GPM	Operating Weight	Voltage V/pH/Hz
IFS-05-AO	5-10	35	115/1/60
IFS-10-AO	10-35	45	115/1/60
IFS-15-AO	35-50	65	115/1/60