



**Vacuum Pumps & Systems**  
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**Duplex & Triplex Medical Water Sealed Liquid Ring Camel Vacuum System with NFPA compliant PLC Control Panel**

*The GlobalVAC Duplex/Triplex Water Sealed Camel Medical Vacuum Systems are built with two /three close coupled liquid ring vacuum pumps with stainless steel impellers mounted on a fabricated frame over an Epoxy Lined 80 gallon (60 gallon capacity) reservoir and an Epoxy Lined, ASME coded horizontal 120 gallon receiver with three valve by-pass. The system is built with single point connections for process inlet, system exhaust and system control power. Each pump comes equipped with an anti suck back valve, vacuum relief valve, adjustable hi temp discharge switch and seal water supply line with automatic capability for increasing seal water supply when temp switch senses discharge temp above system set point. The system is controlled by a mounted and wired NFPA 99 compliant PLC Control Panel.*

**Duplex/Triplex NFPA PLC Control Pan Including the Following:**

- Finger Safe Power Distribution Block
- Full Voltage Motor Starter for Each Pump
- Dual 120V Control Transformer with CB protected Primary and Secondary Circuits
- Dual 120Vac/24Vdc Power Supply
- PLC w/integrated HMI with Touch Screen & Keypad
- Door Mounted Motor Circuit Protector for Each Pump
- Auto Restart after Power Outage
- 4-20mA Transmitter to Control Pumps via PLC
- H/O/A Switch, Run Light, Hour Meter integrated in PLC
- Door Mounted Disconnect
- Dry Contacts for Remote Monitoring
- PLC By-pass allows Pump Operation with MCPs
- System Fault Indicator display on PLC
- UL 508 Listed, NEMA 12 Enclosure
- Maintenance Due Screen display on PLC
- System Parameters selection via PLC



MODEL NUMBER	HP	CAPACITY PUMP/SYSTEM	MAXIMUM VACUUM	CAPACITY @ 19" Hg		HORIZONTAL RECEIVER
				ACFM	SCFM	
FRDC-003-N-120	3.0	35/35	28.9"Hg	35	13	120 GALLON
FRDC-005-N-120	5.0	70/70	28.9"Hg	70	26	120 GALLON
FRDC-007-N-120	7.5	105/105	28.9"Hg	105	38	120 GALLON
FRDC-010-N-120	10	145/145	28.9"Hg	145	53	120 GALLON
FRTC-003-N-120	3.0	35/70	28.9"Hg	70	26	120 GALLON
FRTC-005-N-120	5.0	70/140	28.9"Hg	140	52	120 GALLON
FRTC-007-N-120	7.5	105/210	28.9"Hg	210	76	120 GALLON
FRTC-010-N-120	10	145/290	28.9"Hg	290	106	120 GALLON