

## ANSUL® Foam Concentrate Transfer Pump

### Features

- Bronze construction
- Self-priming
- 316 Stainless Steel impeller sleeve over steel motor shaft
- Direct drive
- 1 in. NPT internal ports
- 3/4 HP electric motor
- 115 VAC operation
- 20 amp fuse
- 23 gpm (87 Lpm) capacity at 4.3 psi (0.3 bar)

### Application

The ANSUL® Foam Concentrate Transfer Pump is useful for transferring foam concentrates from pails, drums, totes, or bulk shipments into ANSUL bladder tanks or atmospheric tanks. The flexible impeller design minimizes foaming of the concentrate during transfer.

### Description

Assembly consists of self-priming impeller pump rated for 23 gpm at 4.3 psi (87 Lpm at 0.3 bar) head-flow and is well suited for transfer of all ANSUL Foam Concentrates from the agent shipping container to the foam systems storage tank. Higher operating pressures will reduce flow rate.

The pump is driven by a 3/4 hp, single phase, 60 hz, 115 VAC, O.D.P. electric motor provided with a 20 amp fuse, ON/OFF switch, and 5 ft (1.5 m) power cord with plug. The assembly will also include a 1 in. NPT flow control ball valve, 8 ft (2.4 m) length of non-collapsible suction hose, and 10 ft (3 m) length of clear discharge hose.

Other fittings, hose clamps, or a drum pick-up tube that may be required are not provided as the items may be unique per individual set-up.

### System Operation

The rotation of the motor shaft determines the location of the pump intake and the discharge ports. Intake is on the right when looking at pump end cover. Attach the non-collapsible suction hose to the right and the clear discharge hose to the 1 in. flow control ball valve on the left.

Pump will produce a suction lift of approximately 9 ft (2.7 m) when dry and a lift up to 20 ft (6 m) when primed depending on the viscosity of the liquid. Suction lines must be airtight or pump will not self-prime. Do not run dry for more than 30 seconds as pumping of the liquid provides lubrication for the impeller. Extended dry running of the pump will damage the impeller.



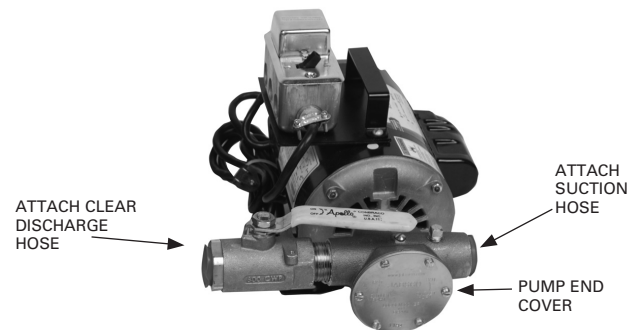
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Use only with ANSUL foam concentrates; other liquids may cause impeller and pump damage.

- To prolong pump life, flush with water after use.
- To protect from freezing temperatures, drain unit by loosening the end cover.

When operating the pump, liquid temperatures should be between 50 °F to 180 °F (10 °C to 83 °C).

**Note:** Maximum usable temperature for foam concentrate is 120 °F (49 °C).



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For continuous operation, discharge pressure should not exceed 20 psi (1.3 bar). Intermittent stopping and starting of the pump indicates the unit is operating against excessive discharge pressure.

### CAUTION

Do not use where flammable vapors may be present. Motor is not explosion proof and can spark.

### NOTICE

Use only factory replacement parts. Non-factory replacement parts can cause reduced performance or failure of the pump. Contact Johnson Controls Technical Services regarding replacement parts for ANSUL foam concentrate transfer pumps.

## Ordering Information

<u>Part No.</u>	<u>Description</u>	<u>Approximate Shipping Weight</u>	
		<u>lb</u>	<u>(kg)</u>
72724	Foam Concentrate Transfer Pump 1/60/115V Motor	36	(16.33)
472585	Foam Concentrate Transfer Pump 1/50/220V Motor	44	(19.96)
404965	Foam Concentrate Transfer Pump 1/60/220V Motor	39	(17.69)
471808	Impeller Repair Kit	1	(0.45)

Contact Johnson Controls Technical Services for other available options if pump specification does not meet your requirements.

**Note:** The converted metric values in this document are provided for dimensional reference only and do not reflect an actual measurement.

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