



iNTELFLOW

The iNTELFLOW is designed to sense the level of milk in the receiving can via a stainless steel milk float and then adjust the speed of the milk pump according to the level, as this rises the pump will ramp up in speed and as the milk level drops the pump will ramp down in speed. This is done by the iNTELFLOW providing a 4-20mA signal to a variable speed controller which in turn controls the milk pump.

The iNTELFLOW can be customised to individual installations by adjusting the ramp up and ramp down settings for the various fluid levels; it can also be configured with different settings for wash & milk. This means it can ramp up & down slowly during the milk cycle and rapidly up & down during the wash.

Efficiency of the cooler and filter is increased by providing a more consistent flow of milk.

The iNTELFLOW will also perform a controlled shutdown where it pumps out the remaining milk in the receiver.



KEY FEATURES

- Programmable ramp up & down, and timers
- Different settings for wash & milk
- More efficient cooling and filtration
- Smooth, consistent delivery of milk to the bulk milk tank

SYSTEM FEATURES

MILK MODE CRITICAL HIGH TIME - The time in seconds from the float reaching the top stopper of the float stem before giving an output of 100%

MILK MODE CRITICAL LOW TIME - The time in seconds from the float reaching the bottom stopper of the float stem before ramping the pump down to stop

MILK MODE MINIMUM SPEED - Sets the minimum speed that the pump will operate at in a percentage of pump speed

MILK MODE MAXIMUM SPEED - Sets the maximum speed that the pump will operate at in a percentage of pump speed

MILK LOW TO MID INCREASE IN SPEED - Sets the speed at which the pump will start ramping at in a percentage per second of pump speed

MILK MID TO HIGH INCREASE IN SPEED - The speed at which the pump will continue to ramp at in percentage per second of pump speed

MILK HIGH TO MID DECREASE IN SPEED - Sets the speed at which the pump will start ramping down at in a percentage per second of pump speed

MILK MID TO LOW DECREASE IN SPEED - Sets the speed at which the pump will start ramping down at in a percentage per second of pump speed

WASH MODE CRITICAL HIGH TIME - The time in seconds from the float reaching the top stopper of the float stem before giving an output of 100%

WASH MODE CRITICAL LOW TIME - The time in seconds from the float reaching the bottom stopper of the float stem before ramping the pump down to stop

OPERATOR INFORMATION AT MILKING TIME

ON SCREEN DISPLAY

- Modes - milk, wash and off
- During the milk & wash stages the bottom line of the display will indicate the % speed of the pump and also if it is ramping up "RampU" or ramping down "RampD" or "Hold" if it is meeting the incoming flow
- Pump running or stopped
- Milk to wash transition
- Pumping out



OPERATOR FUNCTIONALITY

OPERATOR ADJUSTABLE FROM FRONT COVER

- Keys include Milk, Wash, Purge and Off plus Select, Increase, Decrease and Enter



WASH MID TO HIGH INCREASE IN SPEED - The speed at which the pump will start to ramp at in a percentage per second of pump speed

WASH MID TO LOW DECREASE IN SPEED - The speed at which the pump will start to ramp down at in a percentage per second of pump speed

NETWORK - Yes, automatic initiation of milk, wash and off modes



SPECIFICATIONS

iNTELFLOW

OPERATING VOLTAGE	12-15V AC
CONTROLLER OUTPUT	4-20mA, 0-5V, 0-10V
INPUT PROTECTION	Polarity protected
ENCLOSURE	165mmH x 220mmW x 110mmD
IP PROTECTION	IP55

ALTIVAR 31

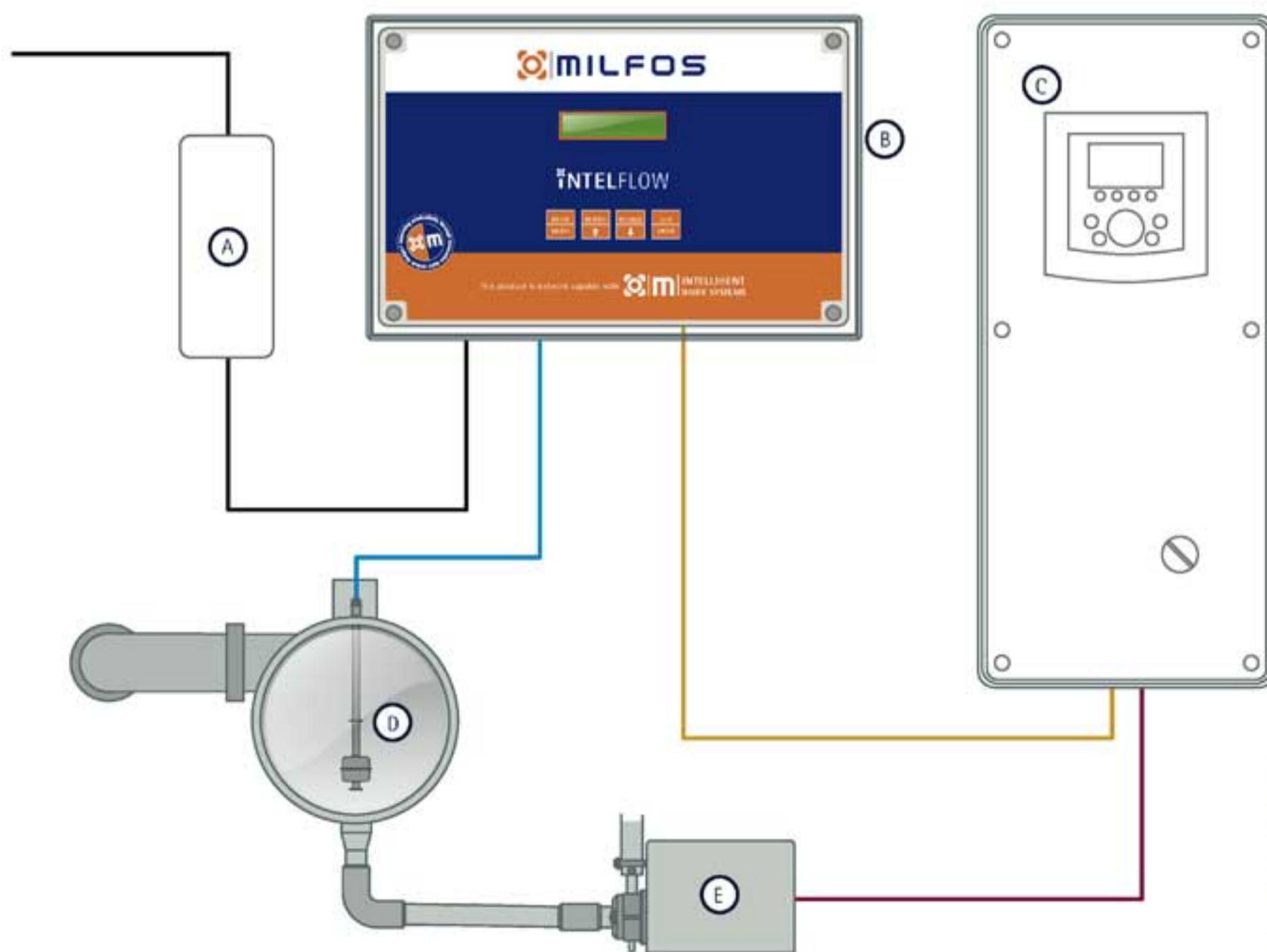
OPERATING VOLTAGE	380-500V AC 50/60Hz
OVERLOAD PROTECTION	Yes
INPUT PROTECTION	Circuit breaker required
OUTPUT FILTRATION	Built in RFI filters
ENCLOSURE	270mmH x 180mmW x 180mmD
WEIGHT	1.35kg

MILK FLOAT

MATERIAL	Fully stainless steel / gland nut food grade acetal
RECEIVER HOLE SIZE	20mm required
STEM SIZE	480mmL x 18mmW
FLOAT SIZE	51mmL x 51mmW
FLOAT TRAVEL	110mm

POWER SUPPLY

INPUT VOLTAGE	240V AC 50/60HZ
OUTPUT	12V DC output 1A
ENCLOSURE	88mmH x 68mmW x 59mmD



- (A) 12V AC Transformer
- (B) iNTELFLOW Controller
- (C) Speed Controller
- (D) Milk Float
- (E) Milk Pump