



iNTELCENTER

The iNTELCENTER is designed to control the bulk of the equipment around the receiving can in a modern parlour. It can be configured to control up to two milk pumps (one with variable speed), airjet filling and actuation, milk purge valve, auto drains, milk/wash valve automation.

The iNTELCENTER can be customised to individual installations by adjusting the internal timers and can be configured with different settings for wash & milk. iNTELCENTER is suitable for any milking installation regardless of brand of equipment.

Additional features such as the ability to pump out the receiving can at the end of milking, wait for milk to settle in the delivery line then using the milk purge valve, inject filtered compressed air in the milk delivery line to push it out to the bulk milk tank. The iNTELCENTER will also perform a controlled shutdown where it will pump out the remaining milk in the receiver then perform a milk purge (if fitted).

When networked to an iNTELSTART the system can be programmed to switch the plate heat exchanger pump or solenoid valve on & off at the same time as the milk pump during milking thereby reducing water usage. The iNTELSTART will also turn the water off automatically during the wash cycle, eliminating the risk of accidental cooling of hot wash water.

KEY FEATURES

- Programmable, can be customised to suit any installation
- Seven 230V outputs, five 24V AC outputs
- Ability to control two milk pumps (one variable speed)
- Different settings for wash and milk
- Controls the 'Milk Purge Valve'
- Controls the 'Milk / Wash' sequence
- Controlled "Off" sequence
- "Remote Pump Out" switch capable
- Automatic cup remover mode outputs

A Milk mode indicator
24V

B Remote purge 24V

C Motor starter 230V

D Airjet fill valve

E Milk pump one
(on/off control)

F Milk pump two
(variable speed control)

G Milk float pump one

H Milk float pump two

I Receiving can

J Auto drain

K Milk / wash valve
actuator ram

L Milk / wash valve

M Airjet valve

N Airjet valve control

O Purge valve

P Purge valve fill

Q Purge valve control

R Compressor

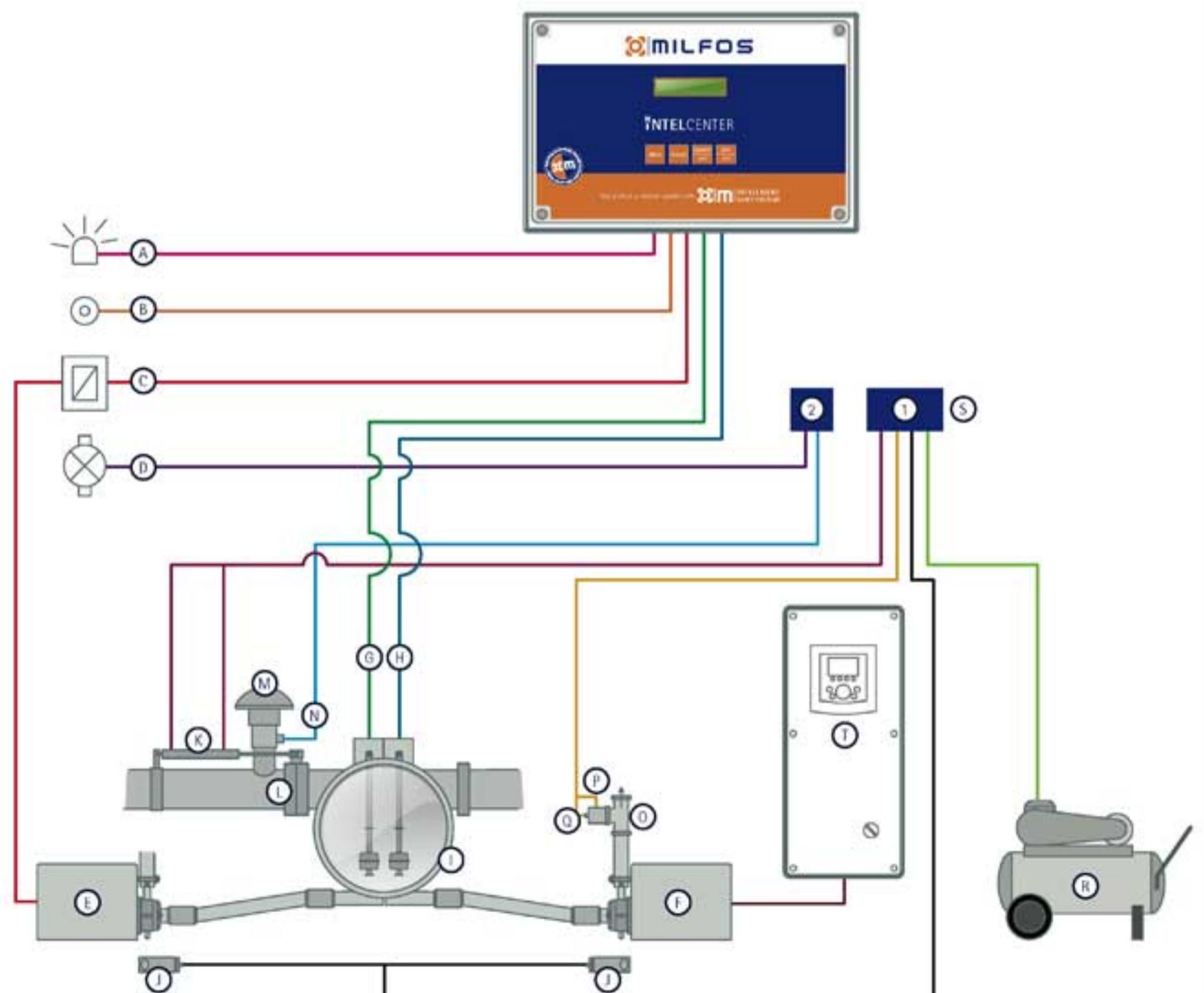
S Valve control box

T Variable speed drive

REF	DESCRIPTION
1	Compressed air
2	Vacuum

1 Compressed air

2 Vacuum





SYSTEM FEATURES

RUN ON TIME - The run on timer function in the controller is used to set the period of time in which the pump will continue to operate after the float has returned to its bottom stopper

This method is very useful to stop erratic pump operation under turbulent wash conditions. No adjustment needs to be made to the float stem, simply lift the float in the receiver and set the overrun timer to the required value to empty the receiver

PUMP OUT TIME - The pump out time is the time the pump will run for once the manual pump-out key is pressed

AUTO MILK START - Auto start milk allows the pump manager to automatically default to milk mode once power to the controller has been applied

PUMP MANAGER TYPE
- Pump manager type options are either advanced or standard. When set to standard the controller does not have additional functionality to control the milk purge valve but can utilise the optional wash valve ram to open and close the butterfly valve on the milk line

MILK / WASH DELAY - Time that the controller waits for the non-return valve on the pump and the liquid in the delivery line to settle before injecting compressed air

MILK CLEAR TIME - just before a purge the pump will be switched on for the milk clear time

INJECTOR ON TIME - The milk purge valve will be switched on for the injector on time to purge liquid from the delivery line

ACTUATOR CYCLE TIME
- This is the time that the actuator valve will be closed during wash mode

ACTUATOR ON TIME - Time the actuator valve will be open to allow the valve seat to be cleaned during wash mode

PUMP OFF DELAY - Time that the controller waits before starting the pump for the milk clear time. This allows any fluid to drain into the receiving can before a purge is started

CYCLE TIME - The air injector valve is switched on and off every airjet cycle time

AIRJET ON TIME - The time the airjet valve will be switched on for. Time is calculated on site

UP STEP TIME- The time in seconds between incremental increases in pump speed once the float has reached the top (hi level) stopper on the float. The pump increases in speed through 8 speed levels. These are set in the variable speed controller

DOWN STEP TIME - The time in seconds between incremental decreases in pump speed once the float has moved away from the top (hi level) stopper on the float. These are set in the variable speed controller

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

SPECIFICATIONS

INTELCENTER

OPERATING VOLTAGE	230V AC
CONTROLLER OUTPUTS	7 x 230V AC (individual 3 amps max or 10 amps max combined) 5 x 24V AC (individual 0.5 amps max or 2 amps max combined)
OVERLOAD PROTECTION	Yes - Sub miniature fuses
INPUT PROTECTION	2 amps & 10 amps 20mm glass filled fuses
ENCLOSURE	260mmH x 295mmW x 130mmD
IP PROTECTION	IP55

ALTIVAR 31

OPERATING VOLTAGE	380-500V AC 50/60Hz
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

OPERATOR INFORMATION AT MILKING TIME ON SCREEN DISPLAY

- Modes - Milk, Wash and Off
- Pump Running or Stopped
- Milk to Wash Transition
- Pumping Out
- Purge Valve status

OPERATOR FUNCTIONALITY OPERATOR ADJUSTABLE FROM FRONT COVER

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

