



# IMQCS SERVICE CHECKLIST

Item Checked	Correct		Rectified	
	Yes	No	Yes	No
<b>Test Points</b>				
Are test points and isolation valves for measuring airflow and vacuum present and correct?				
<b>Vacuum Pump</b>				
Is the belt guard fitted and in good condition?				
Is the pump receiving correct oil and adequate lubrication?				
Are the belts and pulleys tight, aligned and in good condition?				
No safety issues with belt guards, noise/vibration/safety switches, etc?				
<b>Interceptor</b>				
Is gasket on lid satisfactory?				
Is automatic drain valve present and functioning correctly?				
Does the interceptor appear to be clean?				
Is the shut-off float functioning correctly?				
Drain valve NOT discharging on other equipment?				
<b>Main Airline</b>				
Is the main airline clean internally?				
Is there an adequate continuous fall in the main airline and in the correct direction towards a drain?				
Is the main airline rigidly fixed?				
No restrictions at interceptor or sanitary trap?				
<b>Vacuum Regulator</b>				
Are the air intake, valve and valve seating clean?				
Are the diaphragms in good condition?				
Was a service kit fitted?				
Is the regulator rigid and upright?				
Is the regulator correctly located for satisfactory operation and easy access?				
<b>Sanitary Trap</b>				
Is gasket on lid satisfactory?				
Does the sanitary trap appear to be clean?				
Is drain valve/wash tube functioning correctly?				
Is the shut-off float functioning correctly?				
<b>Pulsator Airline</b>				
Is the automatic drain valve present and functioning correctly?				
Is the pulsator airline clean internally?				
Is there an adequate continuous fall in the pulsator airline and in the correct direction?				
Is pulsator airline rigidly fixed?				
Is there a tap at the end of the pulsator airline for washing purposes?				
<b>Pulsation</b>				
Are pulsators/relays clean?				
Have the pulsation relay kits been changed according to service intervals?				
Is the clean airline present and functioning correctly?				
Are filters on air supply to relays clean and free from unnecessary restrictions?				
Is the clean airline free from debris and excessive moisture?				
Are pulsators and relay tubes in good condition and without restrictions or leaks?				
Are electrical connections in good condition and free from corrosion?				
<b>Rubber Tubing Condition</b>				
Are long milk tubes satisfactory?				
Are long pulse tubes satisfactory and free from excessive loops?				
Are short pulse tubes satisfactory?				
Are long and short jetter tubes satisfactory?				
Are tubes to cluster removers satisfactory?				
Are milk transfer tubes from recorder jars satisfactory?				
Is other rubberware satisfactory?				
Is rubber tubing without restrictions?				
<b>Long Pulse Tube Bores</b>				
Alternate - at least 7 mm?				
Simultaneous - at least 8.5 mm?				
<b>Claws</b>				
Are claws clean internally?				
Are the air admission holes fully opened?				
Are claw bowls, gaskets, nipples and shut-off valves satisfactory?				
Have the claw seal kits been changed at service intervals?				
Are all claw bowls free from cracks?				

Name \_\_\_\_\_ Address \_\_\_\_\_  
 \_\_\_\_\_ Date \_\_\_\_\_ Plant Type \_\_\_\_\_  
 No. of units \_\_\_\_\_ Tester's Signature \_\_\_\_\_ IMQCS Reg. no. \_\_\_\_\_

Item Checked	Correct		Rectified	
	Yes	No	Yes	No
<b>Liners</b>				
Have the liners been changed at recommended intervals (2000 cow milkings)?				
No holes or cracks in liners or short milk tubes?				
Are the anti-twist indicators aligned correctly?				
Are liners suitable for the shells?				
Are liners approved (original or copies)?				
<b>Long Milk Tubes</b>				
Are long milk tubes free from excessive loops?				
Is the bore at least 13mm but not greater than 16mm?				
<b>Milkline</b>				
Milkline inlets into the top or top third of milkline and aligned correctly?				
Is there an adequate continuous fall in the milkline towards the receiver?				
Has the milkline remained at right height and rigidly supported?				
Is drainage tap at each low point working satisfactorily?				
If compressed air is used to purge milkline is filtered air used?				
<b>Recorder Jars</b>				
Are recording jars free from leaks?				
Are the hand controls functioning correctly?				
Are spreaders present, correct and free of obstructions?				
Are other tubes/rubber parts in good condition?				
<b>Automatic Cluster Removers (ACR's)</b>				
Are ram seals sealing correctly? i.e. adequate pulling power in the ram				
Are the ACR cords in good condition?				
Does the vacuum shut off when the ACR is in the off position?				
Are ACR's serviced and tested according to the user's manual?				
<b>Milk Meters</b>				
Are the valves/diaphragms in good condition?				
Has a service kit been fitted?				
Have the meters been calibrated?				
<b>Diversion Valves</b>				
Have the diaphragms been changed in accordance with the recommended service intervals?				
<b>Centrifugal Milk Pump</b>				
Was a new seal kit/non-return valve fitted?				
Is the non-return valve in good condition?				
Is the wiring in good condition?				
Are all unions and joints tight and leak free?				
<b>Diaphragm Milk Pump</b>				
Are belts tight and in good condition?				
Are pulleys tight, aligned and in good condition?				
Is there adequate oil in pump on arrival?				
Is the pump timed correctly?				
Record strokes per minute				
Are non-return valves ok?				
Manual/liquid level/variable speed working correctly?				
Is diaphragm(s) in good condition?				
Are all unions and joints tight and leak free?				
<b>Vacuum Gauge</b>				
Is vacuum gauge visible during milking?				
Is the vacuum gauge reading zero when stopped?				
Is the red pointer set to the recommended vacuum level?				
<b>Washline</b>				
Are entries into washline into the top or top third?				
<b>Jettors</b>				
Are jettor manifolds clean and without obstructions?				
<b>Autowasher</b>				
Are autowasher tubes and pumps in good condition?				
Is the autowasher functioning to the manufacturer's guidelines?				
Has the autowasher been calibrated for dosing volume?				

## Milk Quality Tips:

- Service equipment regularly
- Change liners on time
- Maintain excellent hygiene of cows and equipment
- Always teat dip all cows
- Ensure proper milk filtration and cooling