

fact file: Works Acid

What is Agmax Works Acid Detergent

Agmax Works Acid Detergent is a low foam acid detergent sanitiser. It is MPI approved for use in farm dairies.

Works is an acid detergent for farm dairies. Use Works for morning and evening cleaning & sanitising of milking machines. Also, for daily cleaning & sanitising of milk vats.

Features of Agmax Works Acid Detergent

- New technology acid detergent sanitiser
- Superior cleaning performance
- New sanitising technology free of quaternary ammonia compounds (QAC) & Nonylphenol Ethoxylate (NPE) free
- Dilution rate: 1.5mls to 1 litre i.e. 150mls to 100 litres
- Cost effective
- Low foaming
- Increased milk quality safety margin
- Readily biodegradable
- Bright orange for identification
- MPI approved

Benefits of Agmax Works Acid Detergent

- Cleaner machine and vat
- Ideal for plants with high velocity/high water turbulence wash systems
- Effective in all water types
- For use in hot or cold water (hot in the morning and cold at night, at the same concentration)

Available in the following sizes



- 20 Ltr
- 100 Ltr
- 200 Ltr



Did you know?

A choice of three detergent systems is available from Agmax:

Full Powdered System
Alkali & Acid Sachets

Performance, safety & simplicity. No measuring, no spills or wastage. Use alkali daily or every second day.

Conventional System
Alkali Sachet Powder & Maximum Acid Liquid or Works Acid Liquid.

Performance & economy. Superior sanitising power. With Maximum & Works use Alkali at least twice per week.

Fully Automated Wash System & Reverse Flow System (Backflush)
Maximum Acid, Works Acid & Multiwash Alkali Liquids.

When powders can't be used (i.e. most reverse flow plants) do an Alkali wash daily or every second day.

CLEANING POWER is the ability to remove the fat and protein deposits that breed bacteria and depends mostly on your **ALKALI** detergent. The acid detergent does some cleaning, especially of mineral deposits. Acid can also provide your primary sanitising power (e.g. all Agmax acids). However, the real cleaning grunt comes from **alkali**, so use a strong alkali detergent and recirculate for 6-8 minutes to enable good contact time in the plant and vat. In summertime increase the number of alkali washes to keep your machine and vat protein free. Maximum and Works were developed and trialed over two years. They have proven to be many times more effective than our previous acids as well as other acid products on the market.

Telephone 0508 524 824 for more information

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Application

2 or 3 mornings per week do a hot ALKALI wash (using Agmax Alkali Sachets or Multiwash 900), BEFORE the acid wash. This will prevent fat and protein build-up. On those mornings the acid wash step can then be done with cold water. Works can also be used in combination with either or the Agmax Alkali detergents as part of a "Daily Alkali" cleaning routine.

Milking Machine

Recirculating	Single Pass
1. Cold rinse 20Lt per cluster	1. Cold rinse 20Lt per cluster
2. Hot Acid Wash 10Lt water 85°C & 15ml Works per cluster. Dump temp 60°C	2. Hot Acid Wash 10Lt water 85°C & 15ml Works per cluster. Dump temp 60°C
3. Recycle 6-8 mins & dump at 60°C minimum	3. Rinse plant with 5-10Lts of cold compliant fresh water per cluster
4. Rinse plant with 5-10Lts of cold compliant fresh water per cluster	4. Purge & drain the plant
5. Purge & drain the plant	

Milk Vat

- 1 Cold rinse after collection
- 2 Hot Acid Wash 150ml Works per 100Lt water 85°C (see below for recommended vat wash volumes)
- 3 Purge and drain the vat

RECOMMENDED VAT WASH RECIRCULATION VOLUMES (SINGLE PASS DOUBLE WASH VOLUME)

100Lt up to 4500Lt vat 250Lt up to 12000Lt vat	150Lt up to 6800Lt vat 300Lt up to 16000Lt vat	200Lt up to 9100Lt vat 400Lt up to 22000Lt vat
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Did you know?

TEMPERATURE is important for best cleaning performance. Acid can be used both hot and cold (e.g. hot in the morning & cold at night). But alkali *must* be used hot to be effective. Generally, hot water should be 85°C to start (ex the hot water cylinder) and can be recirculated right down to 60°C and then dumped.

CONTACT TIME is especially critical. Detergents, especially alkalis, reach their maximum effectiveness after about 6 – 8 minutes of contact. You can't achieve that time without recirculating (that's why reverse flow is such a dodgy proposition). If your alkali washes are not at least **6-8 minutes in duration**, you're wasting some of your money. If you wash for only 2 minutes, you're wasting virtually all of it. Why pay for 100% performance and then use only 20%?

DETERGENT STRENGTH is often misunderstood, a fact used to advantage by some chemical sales reps. All the major brands are of similar strength and are tested and approved for use at the same concentration. However, one tip to bear in mind is that powdered alkalis are *always* going to be stronger than liquid alkalis. For example, Agmax Alkali Sachets are four times as "caustic" as our liquid Multiwash and contain three times the chlorine.

PRICES of Agmax detergents are **consistently more cost effective**, because with Agmax Acid and Alkali powdered sachets the use rate is 100gm/100litres and Maximum Acid is 100mls/100litres. Many other brands are 150gm or 150mls per 100litres. Our regular prices are usually lower than other brand's limited time specials, and in the long term we're always lower. You can still save hundreds of dollars per season with Agmax detergents.



WORKS

Low Foam Acid Detergent Sanitiser.

MPI approved for use in farm dairies.
General purpose acid detergent sanitiser for farm dairy use.

AGMAX INDUSTRIES LTD. 63b ALLENS ROAD EAST TAMAKI, AUCKLAND. CALL FREE PHONE 0508 524 824

Telephone 0508 524 824 for more information

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