



The
**Co-operative
Difference**



Milk Filter Sizing Fact Sheet

As herd sizes and the number of dairy feeding systems have increased, so has the amount and type of foreign matter that is present in farm dairies.

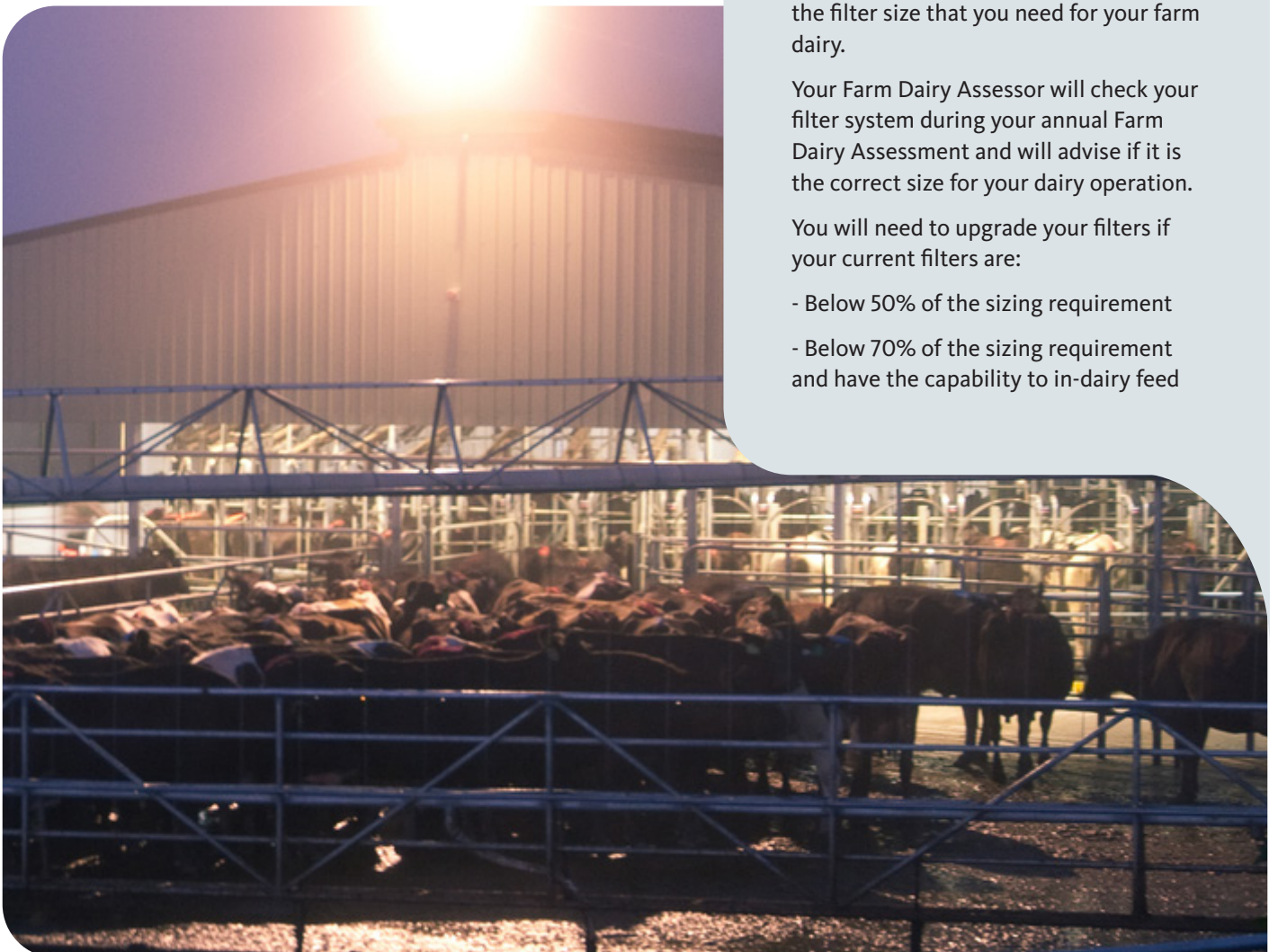
All raw milk must be filtered before it enters the vat to ensure that dairy companies consistently receive milk that is free from sediment. The farm milk filter requirements are contained in the Ministry for Primary Industries' (MPI) Code of Practice for the Design and Operation of Farm Dairies [NZCPI](#).

The herd size milked through your farm dairy determines the filter size you need for your operation. Filters are sized to an effective filtering area of 6.0 cm²/cow and your filters will meet the MPI standard if they are within 95% (5.7 - 6.0 cm²/cow). The charts on the reverse of this factsheet will help you to work out the filter size that you need for your farm dairy.

Your Farm Dairy Assessor will check your filter system during your annual Farm Dairy Assessment and will advise if it is the correct size for your dairy operation.

You will need to upgrade your filters if your current filters are:

- Below 50% of the sizing requirement
- Below 70% of the sizing requirement and have the capability to in-dairy feed





Milk Filter Sizing Charts

You can check your current filter sizing by using the two charts below.

Use the chart on the right hand side of the page to work out the effective filtering area you require, based on your peak cow numbers. Use the chart on the left hand side to find the effective filtering area you currently have available on-farm.

Effective Filtering Area	
Filter Sock Sizes	Area (cm)
57mm x 610mm	556
65mm x 500mm	520
70mm x 585mm	655
75mm x 430mm	516
75mm x 610mm	732
100mm x 430mm	688
100mm x 610mm	976
100mm x 670mm	1072
100mm x 760mm	1216
100mm x 810mm	1296
100mm x 840mm	1344
115mm x 660mm	1214
125mm x 830mm	1660
150mm x 440mm	1056
150mm x 580mm	1392
150mm x 585mm	1404
150mm x 610mm	1464
150mm x 760mm	1824
150mm x 790mm	1896
150mm x 880mm	2112
150mm x 1110mm	2664
230mm x 800mm	2944
230mm x 840mm	3091
230mm x 850mm	3128
230mm x 1100mm	4048
320mm x 570mm	2918
320mm x 750mm	3840

Required Effective Filtering Area: Surface Area Required/Cow					
Cows	Area (cm)	Cows	Area (cm)	Cows	Area (cm)
100	570 – 600	750	4275 – 4500	1400	7980 – 8400
125	713 – 750	775	4418 – 4650	1425	8123 – 8550
150	855 – 900	800	4560 – 4800	1450	8265 – 8700
175	998 – 1050	825	4703 – 4950	1475	8408 – 8850
200	1140 – 1200	850	4845 – 5100	1500	8550 – 9000
225	1283 – 1350	875	4988 – 5250	1525	8693 – 9150
250	1425 – 1500	900	5130 – 5400	1550	8835 – 9300
275	1568 – 1650	925	5273 – 5550	1575	8978 – 9450
300	1710 – 1800	950	5415 – 5700	1600	9120 – 9600
325	1853 – 1950	975	5558 – 5850	1625	9263 – 9750
350	1995 – 2100	1000	5700 – 6000	1650	9405 – 9900
375	2138 – 2250	1025	5843 – 6150	1675	9548 – 10050
400	2280 – 2400	1050	5985 – 6300	1700	9690 – 10200
425	2423 – 2550	1075	6128 – 6450	1725	9833 – 10350
450	2565 – 2700	1100	6270 – 6600	1750	9975 – 10500
475	2708 – 2850	1125	6413 – 6750	1775	10118 – 10650
500	2850 – 3000	1150	6555 – 6900	1800	10260 – 10800
525	2993 – 3150	1175	6698 – 7050	1825	10403 – 10950
550	3135 – 3300	1200	6840 – 7200	1850	10545 – 11100
575	3278 – 3450	1225	6983 – 7350	1875	10688 – 11250
600	3420 – 3600	1250	7125 – 7500	1900	10830 – 11400
625	3563 – 3750	1275	7268 – 7650	1925	10973 – 11550
650	3705 – 3900	1300	7410 – 7800	1950	11115 – 11700
675	3848 – 4050	1325	7553 – 7950	1975	11258 – 11850
700	3990 – 4200	1350	7695 – 8100	2000	11400 – 12000
725	4133 – 4350	1375	7838 – 8250	2025	11543 – 12150

Support

For more information about milk filters, contact your Farm Dairy Assessor or the Farm Source Service Centre on 0800 65 65 68.