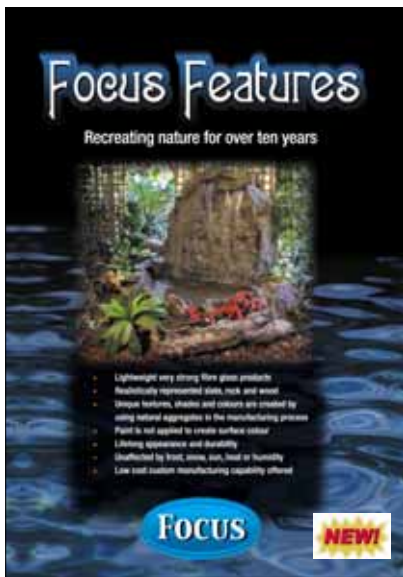




NEW! Catalogue & Price List Effective August 7th 2003

See Focus Guide To Easy Pump Selection and Calculating Pond Volumes Inside
<http://www.superpumps.co.za> ... buy on-line or call 011-454-0105



Download the full Focus Features Catalogue at web site below
<http://www.pondsandpumps.co.za>

Focus Features supply the world's leading range of fibreglass garden and water features. They are sold all over the world.

All prices of fibreglass products exclude transport costs. A quote must be obtained before confirming order. Other products are transport free to main cities subject to a minimum order value of R750. Orders less than R750 will be charged 10% transport

All orders must be prepaid in full before despatch

This catalogue and price list is subject to change without notice The price list must be read in conjunction with the company's full terms of trading shown on the back of every invoice.

All attempts have been made to prevent errors appearing in the catalogue however Focus will not be held responsible in any way for errors that may crop up. Nor will it be obliged to supply at erroneous prices for example.



Tel: 011-454-0105, meshord@global.co.za, www.superpumps.co.za
Download our comprehensive Focus Features Catalogue at web site below <http://www.pondsandpumps.co.za>

Focus Pond and Feature Pumps

Pond Pumps ... 10 metres of cable, 2 Years Guarantee



Includes 2 way flow diverter and range of fountains

Code	Description	Bar Code	Price Incl VAT
2FOC600L	Focus Pump 650 L/H 0,80 head 6,5 Watts	6006455000675	R396.00
2FOC1200L	Focus Pump 1250 L/H 1,40 head 18 Watts	6006455000620	R519.00
2FOC1800L	Focus Pump 1950 L/H 2,40 head 31 Watts	6006455000637	R649.00
2FOC2500L	Focus Pump 2350 L/H 2,60 head 41 Watts	6006455000644	R699.00
2FOC3000L	Focus Pump 3000 L/H 2,70 head 55 Watts	6006455000651	R769.00
2FOC4000L	Focus Pump 3750 L/H 3,10 head 70 Watts	6006455000668	R869.00

New range of high performance low maintenance solids handling pumps coming soon

Water Feature Pumps 10 metres of cable, 2 Years Guarantee



Code	Description	Bar Code	Price Incl VAT
2FOC10320	MC 320, Qmax 350, Head max 0.45	6006455000736	R297.00
2FOC10450	MC 450, Qmax 430, Head max 0.7	6006455000743	R306.00
2FOC10750	MJ 750, Qmax 670, Head max 1.65	6006455000750	R395.00
2FOC101000	MJ 1000, Qmax 1000, Head max 1.5	6006455000729	R429.00

Water Feature Pumps INDOOR USE only, 2 Years Guarantee

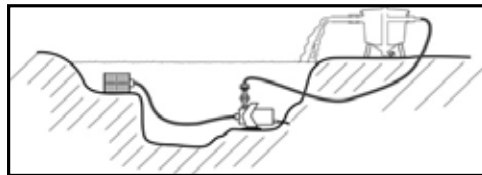


Code	Description	Bar Code	Price Incl VAT
2FOC320	MC 320, Qmax 350, Head max 0.45	6006455000767	R99.00
2FOC450	MC 450, Qmax 430, Head max 0.7	6006455000774	R117.00
2FOC600	MN 606, Qmax 560, Head max 0.95	6006455000781	R162.00
2FOC750	MJ 750, Qmax 670, Head max 1.65	6006455000798	R207.00
2FOC1000	MJ 1000, Qmax 1000, Head max 1.5	6006455000712	R239.00

Water feature pumps are best suited to ornamental statues and garden patio features. They are also ideal for aquariums



Spares Available



Sketch showing typical arrangement of Pond Pump connected to an in-pond biofilter as well as outside biofilter. Place pump or filter off bottom

All Focus pumps now with 2 YEARS GUARANTEE

VERY IMPORTANT NOTICE SAFETY WARNING
 South African safety regulations prohibit the sale of any pump for outdoor use that has not got at least 10 metres of 3-core high specification cable attached to it. All pumps for indoor and outdoor use **MUST** have a letter of authority issued by SABS verifying full compliance with safety requirements

FOCUS Pond Pumps - I want a WATERFALL

Waterfall Width cm	Height to top of waterfall in metres										
	0.2	0.4	0.6	0.8	1	1.4	1.8	2.2	2.6	3	3.4
0	600L	600L	600L	600L	1200L	1800L	1800L	1800L	2500L	4000L	
2	600L	600L	600L	1200L	1200L	1800L	1800L	1800L	4000L	4000L	
5	600L	600L	1200L	1200L	1800L	1800L	1800L	2500L	4000L		
8	1200L	1200L	1200L	1800L	1800L	1800L	1800L	3000L	4000L		
11	1200L	1200L	1800L	1800L	1800L	1800L	2500L	4000L			
13	1200L	1800L	1800L	1800L	1800L	1800L	3000L	4000L			
16	1800L	1800L	1800L	1800L	1800L	2500L	3000L	4000L			
19	1800L	1800L	1800L	1800L	2500L	3000L	4000L	4000L			
21	1800L	1800L	1800L	2500L	2500L	3000L	4000L				
24	1800L	2500L	2500L	3000L	3000L	4000L	4000L				
27	2500L	2500L	3000L	3000L	3000L	4000L	4000L				
29	2500L	3000L	3000L	3000L	3000L	4000L					
32	3000L	3000L	3000L	4000L	4000L	4000L					
35	3000L	3000L	4000L	4000L	4000L						
37	3000L	4000L	4000L	4000L	4000L						
40	4000L	4000L	4000L	4000L							
43	4000L	4000L	4000L								
45	4000L	4000L									
48	4000L										



How to use this chart to select correct pump when you want a waterfall

1. Measure the width of the lip of the waterfall in centimetres.
2. Measure the height of the waterfall inlet from the pond surface in metres
3. Find the point on this table where the two numbers meet. This is the model name of the FOCUS pump you need.

Example: The width of the waterfall lip is 32 cm. The height of the inlet to the waterfall from the POND SURFACE is 1 metre.

The pump you need is FOCUS 4000L - see ringed item in table

FOCUS Pond Pumps

I do not want a waterfall

Pond Volume litres	Goldfish & Small Koi	Koi bigger than 25cm	Water Plants only
200	600L	1200L	600L
400	600L	1200L	600L
800	600L	1200L	600L
1200	1200L	1800L	600L
1,600	1200L	1800L	1200L
2,000	1800L	2500L	1200L
2,400	1800L	2500L	1200L
2,800	1800L	3000L	1200L
3,200	1800L	3000L	1800L
3,600	2500L	4000L	1800L
4,000	2500L	4000L	1800L
4,400	3000L	4000L	2500L
4,800	3000L		2500L
5,200	3000L		2500L
5,600	4000L		2500L
6,000	4000L		3000L
6,400	4000L		3000L
6,800	4000L		3000L
7,200			3000L
7,600			4000L
8,000			4000L
8,400			4000L
8,800			4000L
9,200			4000L



General Important Information

FOCUS Pond Pumps - What cost to run?

Model	600L	1200L	1800L	2500L	3000L	4000L
Rand/yr	17	47	82	107	145	184

Running costs: electricity @ 30 cents/ unit (kWhr)
FOCUS pond pumps are very economical pumps

FOCUS Pond Pumps - I want a fountain

FOCUS pond pumps have a free range of different water jets and fountains to suit the model of pump chosen.

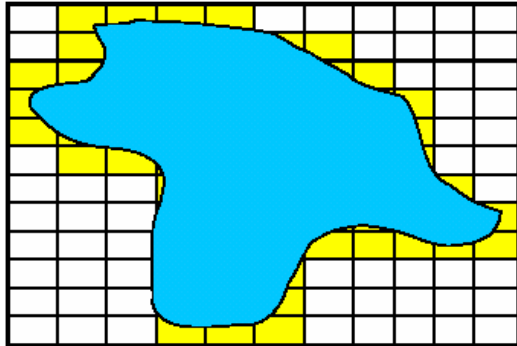
FOCUS Pond Pumps - what pipe do I need?

Always use shortest length & widest diameter pipe you can fix to the pump & its accessories. Avoid using bends and "T" pieces if possible.

ALL POND PUMPS NOT ONLY FOCUS MUST HAVE 10 M. OF CABLE TO COMPLY WITH RSA SAFETY STANDARDS ANY PUMP WITH LESS THAN 2 YEARS GUARANTEE IS PROBABLY NOT SUITABLE FOR POND USE

1.1.1 Calculating Volumes of Irregular Shaped Ponds

In making approximations the simplest way to do this is to assume the pond is surrounded by a rectangle and then ask yourself what proportion of the rectangle is covered by water. See the sketch below to assist in understanding this measurement technique.



The pond was first drawn to scale using graph paper or something similar like a spreadsheet (this sketch was done on a spreadsheet):

Each square in the sketch has a constant size. As you can see the total squares covered in the total rectangular area is $11 \times 12 = 132$ squares.

The total yellow squares must now be estimated. I estimate about 21 **full squares** are covered by the yellow bits. If you get a bit different it does not matter much.

Now count the white squares – I get 56.

This means you can now calculate the number of squares covered by the blue pond as follows:

$$132 - 21 - 56 = 53 \text{ squares}$$

If each square is 0.2×0.2 metres then area covered by pond is as follows:

$$53 \times 0.2 \times 0.2 = 2.12 \text{ sq metres}$$

If average depth of pond is 0.5 metres then pond volume is

$$2.12 \times 0.5 \times 1,000 = 1,060 \text{ litres}$$

Knowing the volume of your pond is important if you want to specify other equipment correctly. Once again if you are not sure seek help.

While considering pond volume 1,000 litres of water is a good volume to hold about 1 kg of fish. Here is a useful conversion table.

	US gallons	Imp gallons	Cu Feet	Liters	Cu.Metres	Pounds of water
US gallons	1.0	0.8	0.1	3.8	0.0	8.3
Imp Gallons	1.2	1.0	0.2	4.5	0.0	10.0
Cu Feet	7.5	6.2	1.0	28.3	0.0	62.4
Liters	0.3	0.2	0.0	1.0	0.0	2.2
Cu.Metres	264.2	220.0	35.3	1,000.0	1.0	2,202.7

Focus Biofilters and UV's

Biofilters and Alfagrog Biofilter Medium



EcoBio 1000



EcoBio 2000, 3000



EcoBio 5000



Focus 4W UV



Focus 8W UV



EcoBio Combined 2000



EcoBio Combined 6000

Code	Description	Bar Code	Price Incl VAT
2FOCM003	Eco-Bio 1000 Filter	6006455000552	R239.00
2FOCM004	Eco-Bio 2000 Filter	6006455000569	R489.00
2FOCM005	Eco-Bio 3000 Filter	6006455000576	R529.00
2FOCM006	Eco-Bio 5000 Filter	6006455001146	R889.00
2FOCALF10	10 Litre Bucket	6006455002662	R180.00
2FOCALF20	20 Litre Bucket	6006455002679	R350.00
2FOCALF33	33 Litre Bag	6006455002686	R489.00



All Focus filters and combined filters and UV's contain the correct amount of Alfagrog to ensure healthy clean water. Alfagrog should be used to replace plastic tubes, lava rock and other media in any biofilter to **DRAMATICALLY** improve bio-filtration capacity for low cost

Ultra Violet Lights

Code	Description	Bar Code	Price Incl VAT
2FOCM012	Focus UV 8 Watt	6006455000590	R990.00
2FOCM013	Focus UV 4 Watt	6006455000606	R890.00
2FOCM031	4 Watt Lamp	6006455001092	R95.00
2FOCM032	8 Watt Lamp	6006455000514	R120.00
2FOCM033	15 Watt Lamp	6006455000521	R160.00
2FOCM029	4 Watt Quartz Tube	6006455001078	R126.00
2FOCM030	8 Watt Quartz Tube	6006455001085	R207.00

Combined Biofilters and UV lights

Code	Description	Bar Code	Price Incl VAT
2FOCM015	Eco-Bio 6000 Filter and UV	6006455000613	R1,289.00
2FOCM016	Eco-Bio 2000 Filter and UV	6006455000972	R889.00

Ultra Violet light clarifiers for ponds **MUST** contain a quartz tube for high efficiency operation. The UV lamp **MUST** be replaced every 8,000 hours (about every 12 months). Ultra Violet light will **NOT** kill biofilter bacteria or any other bacteria in a pond environment

FREE "Guide to successful pond keeping" at <http://www.focusgarden.co.za>

Tel: 011-454-0105, meshord@global.co.za, www.superpumps.co.za

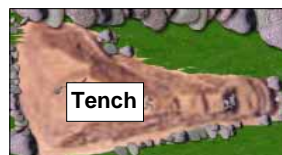
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Focus Rock Featured Glassfibre Ponds ..

Fibreglass ponds, easy to install and realistic in appearance



Code	Description	Bar Code	Price Incl VAT
2LOT166	Carp Pond 1.82*1.1m	5013729003141	R895.00
2LOT168	Pike Pond 1.82*1.05m	5013729003134	R950.00
2LOT167	Rudd Pond 1.68*1.0m	5013729003158	R810.00
2LOT135	Bream Pond 1.12*1.37m	5013729003011	R780.00
2LOT155	Roach Pond .76*1.37m	5013729003028	R780.00
2LOT150	Perch Pond .76*1.37m	5013729003035	R570.00
2LOT165	Tench Pond .81*1.37m	5013729003042	R495.00
2LOT140	Chub Pond .74*.89 cm	5013729003059	R440.00



Prices for ponds exclude transport
Please ask for transport quote before ordering

For any pond to have clear, clean healthy water a Pump, an Ultra Violet Light and a Biofilter need to be installed. The pond items below are recommended for any of the above ponds. These items will guarantee a crystal clear, hassle-free pond all year round



The ideal pump for any of the above ponds without a waterfall is the Focus 1200L. This pump comes with all necessary fittings including a variety of fountain attachments. If a small waterfall is installed then a better choice of pump would be the Focus 1800L or even bigger ... check the chart included in this price list. These pumps are guaranteed for 2 years and incur very very low running costs.



A Biofilter ensures clean healthy water for the fish. An Ultra Violet light ensures that the water remains clear and no suspended algae grows to make the water murky brown or green like pea soup. The items can be bought separately or as a combined unit. For any of the above ponds the smallest units will suffice.

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Tel: 011-454-0105, meshord@global.co.za, www.superpumps.co.za

Download our comprehensive Focus Features Catalogue at web site below <http://www.pondsandpumps.co.za>

Focus Pond Liners and Koi Food

Focus Premium Pond Liner



Code	Description	Bar Code	Price Incl VAT
2FOC1412	Pond Liner 4.2 m x 3.6m	6006455002754	R595.00
2FOC1012	Pond Liner 3.0 m x 3.6m	6006455002761	R385.00
2FOC108	Pond Liner 3.0 m x 2.4m	6006455002778	R265.00

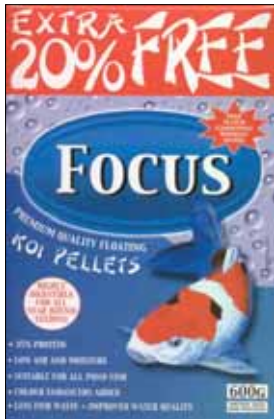
For custom sizes please ring for quote

Measure pond liner size required as follows
Width required Depth multiplied by 2 + Maximum Width + 50cm
Length Required Depth multiplied by 2 + Maximum Length + 50cm

Focus Premium Floating Koi Food - BUCKETS



Code	Description	Bar Code	Price Incl VAT
2FOCK2K	Koi Mixed Pellets 2Kg+ 15%Free Bucket	6006455001207	R129.00
2FOCK2K45	Koi 4.5Mm Pellets 2Kg+15%Free Bucket	6006455001221	R129.00
2FOCK2K6	Koi 6Mm Pellets 2Kg + 15%Free Bucket	6006455001245	R129.00
2FOCK2K8	Koi 8Mm Pellets 2Kg + 15% Free Bucket	6006455001269	R129.00
2FOCK5K	Koi Mixed Pellets 5Kg+15%Free Bucket	6006455001214	R259.00
2FOCK5K45	Koi 4.5Mm Pellets 5Kg+15%Free Bucket	6006455001238	R259.00
2FOCK5K6	Koi 6Mm Pellets 5Kg + 15%Free Bucket	6006455001252	R259.00
2FOCK5K8	Koi 8Mm Pellets 5Kg + 15% Free Bucket	6006455001276	R259.00
2FOCKF1200	Koi Food Mixed Pellet 1.2Kg Box	6006455001160	R52.00



Focus Premium Floating Koi Food - 20 kg BAGS

Code	Description	Bar Code	Price Incl VAT
2FOCK20K	Koi Mixed Pellets	6006455002693	R499.00
2FOCK20K45	Koi Pellets 4.5 mm	6006455002709	R499.00
2FOCK20K6	Koi Pellets 6 mm	6006455002716	R499.00
2FOCK20K8	Koi Pellets 8 mm	6006455002723	R499.00

Focus Premium Koi Food is FRESHLY made in South Africa exclusively for ourselves to a formula learned from years of selling only the best food for your fish FULL analysis including all trace elements proudly shown on packaging. Min protein 35%