

# cascade™ pumps

Ideal for all decorative ponds – a range of sizes for operating everything from small water features to larger combined fountain and waterfall displays.

New features have been added to the smaller Cascade Pumps™. All models from the 450 to 4000 are now supplied with a ball joint for easy levelling of the fountainhead. The 450 has a new, easy-to-operate flow control. All models are supplied with foam free strainers requiring less cleaning together with tool free access for cleaning and maintenance. The 450 pump also has a larger base plate for extra stability.



Cascade 1500



### Use a Cascade for:

**Fountains** - they all come complete with a selection of distinctive fountain displays and the Cascade 700 to 4000 with a bell jet. All pumps up to the 4000 also have a telescopic fountain stem.

**Waterfalls** - the Cascade 700 will give a good small waterfall and the 4000 will give a torrent. Cascades from 1500 up come with a T-piece that enables them to be used for two purposes at the same time.

**Water Features** - All models can run water features with the attachment of appropriate pipe.

**Filtration** - water can be pumped to a filter and directly back to the pond, or down a waterfall. Filtration will be more effective if a Titan solids handling pump is used.

### Key features of Cascade pumps

#### More Performance

Cascades with the multi blade impeller and OMC (Optimised Magnetic Coupling) motor design provide unparalleled performance with low running costs.

#### More reliability

All Cascades from 1500 upwards are unique in using TRF (Thermal Re-settable Fuse) technology to protect the motor from damage. If the pump becomes blocked, this solid state technology switches the motor off until power to the motor is disconnected and the blockage removed.

The Cascade 4000 uses a ceramic shaft and bearings for extra life. These features allow us to offer a 3 year guarantee with confidence.

#### Cascade LV

Hozelock Cyprio has a large range of low voltage (LV) pumps. Low voltage Cascades now range from 700 to 4000 litres per hour.

These pumps offer identical performance to the mains versions, but as the power supply to the motor is only 24 volts they offer easy fit DIY installation.

The main features are;

- The mains connection to the transformer is remote from the pond.
- All LV pumps come with 3m of cable, which can be simply extended up to 50m without loss of performance. This cable need

not be buried and protected, greatly simplifying installation.

- Click connection for LV supply is simple and reliable.
- Identical features and accessories to the mains Cascades.

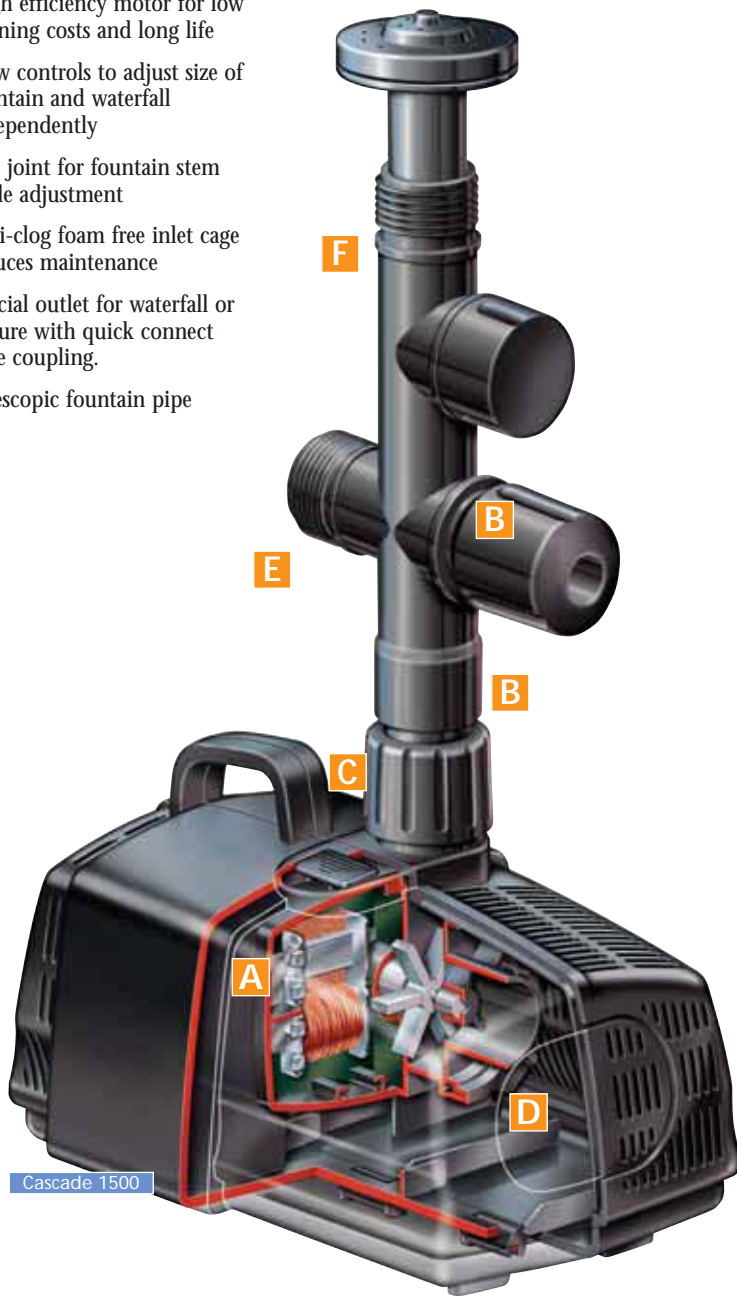
### Cascade performance data

Waterfall figures are based on 2.5metres of 1" dia. hose (1500-4000 @ head 0.6m).

Model	Max Fountain Height	Bell Jet Diameter	Waterfall Width	Combined	
				Fountain	Waterfall
450	0.63 m (2' 01")	-	-	-	-
700	0.75 m (2' 05")	0.35 m (1' 02")	-	-	-
1500	1.20 m (3' 11")	0.40 m (1' 04")	0.12 m (0' 05")	0.55 m (1' 10")	0.10 m (0' 04")
4000	1.60 m (5' 03")	0.70 m (2' 04")	0.30 m (1' 00")	1.20 m (3' 11")	0.25 m (0' 10")

### Cascade features

- A** High efficiency motor for low running costs and long life
- B** Flow controls to adjust size of fountain and waterfall independently
- C** Ball joint for fountain stem angle adjustment
- D** Anti-clog foam free inlet cage reduces maintenance
- E** Special outlet for waterfall or feature with quick connect hose coupling.
- F** Telescopic fountain pipe



Cascade 1500



450



700



1500/4000



Part number	Description	Product Bar Code	Pack Qty
3303	Cascade 450 - 230v	50 10646 03129 5	5
3352	Cascade 700 - 230v	50 10646 03576 7	5
3354	Cascade 1500 - 230v	50 10646 03569 9	5
3344	Cascade 4000 - 230v	50 10646 03083 0	3
3052	Cascade 700lv (not available in the UK)	50 10646 03568 2	5
3054	Cascade 1500lv (not available in the UK)	50 10646 03562 0	5
3044	Cascade 4000lv (not available in the UK)	50 10646 03080 9	3
3419	Pump Impeller - 700, 700lv (Previous 3417 - 3 blades)	50 10646 04477 6	10
3409	Pump Impeller - 1500, 1500lv (Previous 3418 - 2 blades)	50 10646 04481 3	10
3411	Pump Impeller - Cascade 4000, 4000lv	50 10646 03217 9	5
3426	Fountain Kit For Cascade 450, 700, 700lv (Previous 3428)	50 10646 04478 3	5
3403	Fountain Kit For Cascade 1500, 1500lv - 4000, 4000lv (Previous 3430)	50 10646 04482 0	5
3592	Low Voltage Cable 7.5m	50 10646 00937 9	5

# technical data pumps



## Technical Data

Pump Range	Max Flow (litres per hour)	Flow at (LPH)				Max Head (m)	Watts	Cable Length (m)	Strainer Inlet Area (cm <sup>2</sup> )	Discharge Outlet Size (mm)	Size of Pump			Accessories Included							
		1.0m	1.2m	1.5m	2.0m						Length (mm)	Width (mm)	Height (mm excl. accessories)	Telescopic Extension Pipe	Dual Flow Controller	Flow Controller	2 Tier Jet	3 Tier Jet	Bell Jet	Stepped Hose Tail (19, 25, 32, 40mm)	25mm Quick Connect Hose Adaptor
<b>Cascade</b>																					
450 (3303)	450	-	-	-	-	1.0	10	10.0	12.1	12.5	81	51	75	•		•	•	•			
700 (3352)	700	120	-	-	-	1.2	13	10.0	46.3	12.5	140	100	100	•		•	•	•			
1500 (3354)	1500	900	700	400	-	1.8	33	10.0	67.2	25	192	121	117	•	•		•	•	•		
4000 (3344)	4000	2800	2300	1700	500	2.3	44	10.0	67.2	25	180	120	110	•	•		•	•	•		
<b>Cascade LV</b>																					
700LV (3052)	700	120	-	-	-	1.2	11	3.0	46.3	12.5	140	100	100	•		•	•	•	•		
1500LV (3054)	1500	900	700	400	-	1.8	30	3.0	67.2	25	192	121	117	•	•		•	•	•		
4000LV (3044)	4000	2800	2300	1700	500	2.3	42	3.0	67.2	25	180	120	110	•	•		•	•	•		
<b>Titan</b>																					
2000 (1451)	2000	1100	800	150	-	1.6	38	10.0	146.7	20-40	270	270	165						•		
3000 (1452)	3000	2200	2000	1600	800	2.3	40	10.0	146.7	20-40	270	270	165						•		
5500 (1454)	5500	4500	4200	3800	3200	3.8	185	10.0	146.7	20-40	270	270	165						•		
8000 (1456)	8000	6800	6600	6000	5050	4.0	185	10.0	146.7	20-40	270	270	165						•		
12000 (1457)	12000	9000	8400	7500	6000	4.0	230	10.0	203.2	20-40	340	325	200						•		
15000 (1458)	15000	11000	10700	9600	7800	4.2	250	10.0	203.2	20-40	340	325	200						•		
<b>Prima XL</b>																					
3200XL (1411)	4000	3200	3000	2700	2400	4.0	160	10.0	-	20-40	125	120	270						•		
5000XL (1412)	6000	5000	4740	4320	3900	5.0	200	10.0	-	20-40	125	120	270						•		
6000XL (1413)	8000	6250	6000	5700	5100	6.0	260	10.0	-	20-40	125	120	270						•		
9000XL (1422)	9600	9000	8800	8700	8400	7.5	290	10.0	-	20-40	140	140	240						•		
15000XL (1425)	15600	15000	14950	14700	14400	9.6	690	10.0	-	20-40	140	140	285						•		