



COMMERCIAL Cylinders Quick Specification Guide

	Product reference						
	300	400	500	800	1000	1250	1500
All cylinders - Multi Energy, Indirect and Solar - 3 & 6 bar							
Hot and Cold Connections BSP F	1.5"			2.0"			
Coil Connections (and for the solar coil) BSP F	1.5"						
Secondary return BSP F	1.25"				1.5"		
Max operating pressure - with 3 bar kit	6 bar						
- with 6 bar kit	10 bar						
T&P setting - with 3 bar kit	7 bar						
- with 6 bar kit	10 bar						
T&P size - Multi Energy	1.0"				1.25"		
- Indirect and Solar	0.75"					1.25"	
Cold water safety devices - PRV, ERV, check valve	1.0" (one piece)			1.25" (multi-piece)		1.5" (multi-piece)	
Expansion Relief Valve setting - with 3 bar kit	6 bar						
- with 6 bar kit	8 bar						
Diameter - mm	620	710		920	1100	1150	
Height - mm	1670		2030	2050	2170	2200	2400
2-port motorised valve (Indirect and Solar only)	28mm				1.25"	1.5"	
2-port motorised valve connections (Indirect and Solar only)	Compression nut and olive				Pipe union connection nut and tailpiece		
Expansion vessel size - with 3 bar kit - Litres	24	35	50	80	100	150	
Expansion vessel size - with 6 bar kit - Litres	35	50	80	100	150	200	
Tundish	1.25"				1.5"		
ErP Energy Efficiency Class	C						
Standing loss - W	92	102	115	121	124	135	160
Multi Energy only							
Immersion heaters - Titanium, factory fitted as standard	3 x 6kW				2 x 6kW		
Number of immersion heater bosses in total	4 x screw type - 3 as above and one is blanked off				3 x screw type + 1 x flange type - 2 screw as above, 1 x screw and 1 x flange are blanked off. Note: Bottom screw and flange CANNOT be used together		
Maximum energy input permitted - kW	48 (4 x 12)				78 (2 x 12 + 1 x 54)		
Immersion heaters - Optional higher rated elements	See page 14 for further details						
Inspection flange	Optional - CANNOT be used for flanged immersion heaters				Supplied as standard - CAN be used for flanged immersion heaters		
Heat up time (ΔT 50°C) - dependant on installed load	How long to re-heat? : Litres x 3.2/ kW = mins How many kW needed to heat in a certain time?: Litres x 3.2/ mins = kW						
Indirect only							
Immersion heaters - Titanium, factory fitted	2 x 3 kW						
Coil surface area - m ²	1.54	1.97		2.86	4.73		
Coil diameter mm	32			38			
Coil rating @ 60 L/min 80°C - kW	49	57		73	98		
Coil - maximum pressure	6 bar						
Inspection flange	Optional - for inspection only - CANNOT be used with flanged i/htrs						
Solar only							
Immersion heaters - Factory fitted, Titanium	2 x 3kW						
Primary coil surface area -m ²	1.21		2.86		4		
Primary coil rating @60 L/m 80°C - kW	46		73		95		
Coils (primary and solar) - maximum pressure	6 bar						
Dedicated solar volume - L	113.1	153.3	197.9	307.9	460.8	499.0	483.0
Solar coil surface area - m ²	1.1			2.0		2.5	
Coil diameter (both coils)	32			38			
Solar coil rating @ 60 L/m - kW	43			57		68	
Inspection flange	Optional - for inspection only - CANNOT be used with flanged i/htrs						