

FLEXEXTEND SLX-40-S

The FlexExtend SLX-40-S is Impact Pumps' revolutionary Surface Lift Extender for surface pumps. The FlexExtend SLX-40-S brings water from wells and boreholes up to 50m deep and 4" or more in diameter into the range of solar/electric surface pumps.

SOLUTION OVERVIEW

Head

max. 50m

Output Flow Rate

max. 3m³/h

SURFACE LIFT EXTENDER

FLEXEXTEND SLX-40-S

BENEFITS

5 year warranty

Safe to run dry

Sand, silt and salt tolerant

Zero submerged electronics

TECHNICAL DATA

Efficiency

max. 85%

Borehole diameter

min. 4 inch

Water temperature

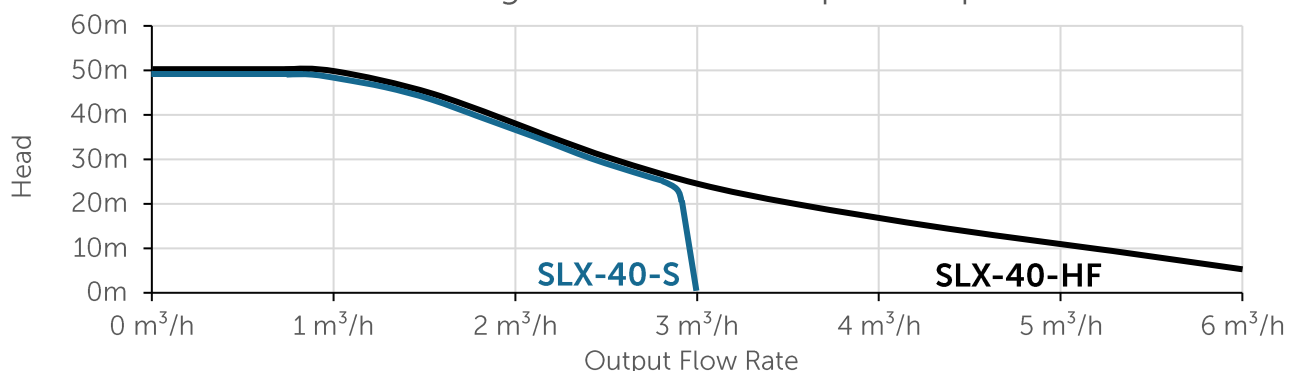
0°C - 45°C

Premium materials

Stainless steel AISI 304

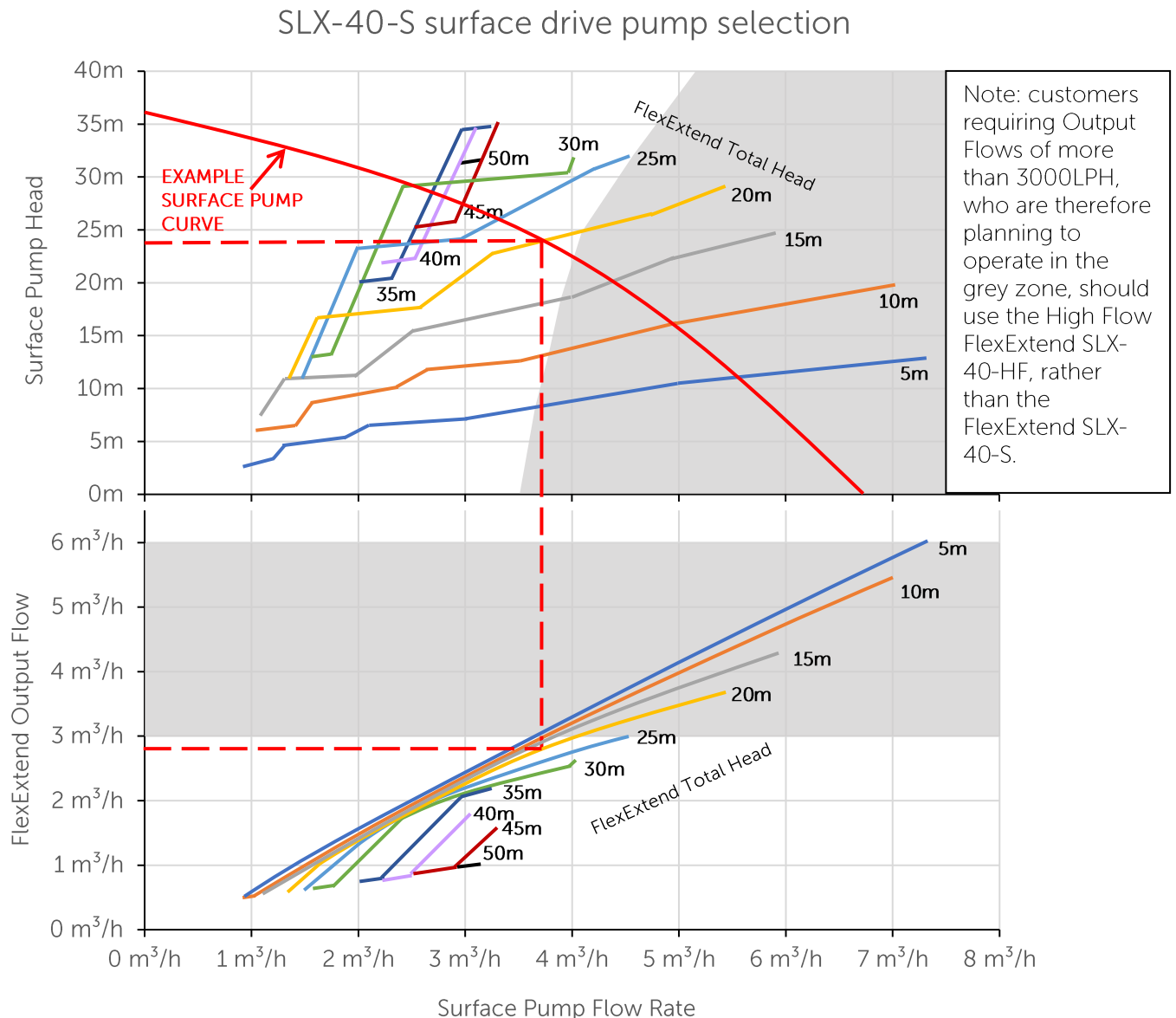


SLX-40 Range: Maximum Pumped Output



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Use the chart below to determine the Output Flow rate that a SLX-40-S can deliver from your chosen surface pump, or to choose a surface pump to power the SLX-40-S to achieve a given Output Flow rate.



How to use the chart:

Plot your surface pump's head-flow curve from the surface pump datasheet on the top chart. Select the coloured line that best matches the total head (from FlexExtend intake level to discharge level) of your application and mark the point that this intersects your surface pump curve. Draw straight lines as shown to read off surface pump head and flow and FlexExtend output flow rate as shown in the worked example.

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Note: The above chart reflects real-world Impact Pump data at 25°C water temperature, including losses from 40mm PN16 HDPE pipes. Performance data published by electric submersible-pump manufacturers should be corrected for pipe-flow friction and cable losses (not normally included) for comparison. These losses often reduce wire to water efficiencies by 5% or more.

DIMENSIONS AND WEIGHTS

FLEXEXTEND SLX-40-S Submersible Unit

Outside diameter	max. 96mm
Length	max. 708mm
Weight	2.8kg
Rising Main needed	PN16 HDPE 40mm

Box (including Well Head and Quick Connections Accessories Kit)

Dimensions	750 x 625 x 215mm
Total weight	16.2kg

For ease of installation and use, we recommend purchasing Impact Pumps' Well Head and Quick Connections Accessories Kit, available separately from registered dealers. Pipes and tank not supplied. To complete a basic installation, refer to our installation guide and purchase tank, pipes/pipe clips and air vessel separately.

NOTE: FOR OUTPUTS CORRESPONDING TO SURFACE PUMP HEADS GREATER THAN 30m, THE STANDARD RELIEF VALVE SUPPLIED WITH IMPACT PUMPS' WELL HEAD SHOULD BE REPLACED WITH A RELIEF VALVE WITH 3.5 OR 4 BAR RATING.