



APV Homogenizer Cube 4600/ Cube 5800

Introduction:

- The CUBE 4600/5800 homogenizer, a positive-displacement triplex, reciprocating plunger pump, is fitted with a two-stage homogenizing valve assembly with manual actuation.

Drive system:

- The power is transmitted from the 37 kW motor via V-belts and pulleys to the crankshaft.

Crankcase:

- High quality cast iron housing. Crankshaft and crossheads are forced lubricated to ensure long life.

Control system:

- The CUBE is a plug-and-play solution equipped with Y/D starter and is fully controlled with start/stop buttons and emergency stop situated on the front panel.

Liquid End:

- Pump valve housing in HQ-SS with Stellite ball valves and Stellite valve seats.
- The two-stage homogenizing arrangement is manually adjusted with plug and piloted valves, as well as pressure gauge for total pressure indication.
- 51 mm tri-clamp flanges for inlet and outlet connection.

Housing:

- Stainless steel cladding.

Technical data:

- Service media: Water: 120 l/h for lubrication of plungers and cooling of oil in oil sump.

Oil:

- Standard ISO VG 220 lubrication oil is used in oil sump.

Type	Maximum Capacity l/h	Maximum Pressure bar	Plunger Ø mm
4600	4,600	250	45
5800	5,800	200	50

Crankshaft speed at max. flow:	210 rpm						
Overall dimensions in mm (LxWxH):	1863 x 1110 x 1598						
Service area in mm (LxWxH):	2863 x 3110 x 2000						
Shipping details:	<table> <tr> <td>Net weight</td> <td>1690 kgs</td> </tr> <tr> <td>Export packing</td> <td>2085 kgs</td> </tr> <tr> <td>Shipping volume</td> <td>7.06 m3</td> </tr> </table>	Net weight	1690 kgs	Export packing	2085 kgs	Shipping volume	7.06 m3
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APV, An SPX Brand
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