Preheater D- / ID range

HOFMANN
ROAD MARKING SYSTEMS

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② **ID100**
Compact, **transportable unit consisting of preheater *and* power station**
- No seals exposed to material
- High torque of the hydraulic agitator
- **only** with propane gas burner, 3,1 kW power station

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③ **D350**
Two D350 with propane gas burner, 10 kW power station

Vertical preheaters are heated directly (without heat transfer oil) or indirectly (with heat transfer oil) by gas- or oil burners (12V, 24V or 230V).

- Increased heat transfer surface.
- Heated central column for further enlargement of heating surface. Core of the material filling cannot rotate.
- Hydraulically top-driven agitator, agitator shaft mounted in central colum.Hydraulically top-driven agitator, agitator shaft mounted in central colum. No seals exposed to material. Removal of agitator shaft possible, even if the preheater is filled and material is cold. High level of torque of agitator. Optimum access to the inside. Comfortable cleaning by easy removal of entire top section.
- Three material outlets (ID840-2 and ID1100-2).

Options:

- Air intake kit for oil burner.
- Material transfer system.
- Electrical adjustment for clockwise / counterclockwise rotation of the agitator.
- Electric agitator drive (with battery).
- Diesel oil burner for use with 100 % biodiesel.
- Heating module to preheat the heat transfer oil.

Info: e-Preheater

- It is an e-agitator drive and not an e-heating.
- Heating can be done in an environmentally neutral way using biodiesel.

Info: Heating

Direct Heating
This method of heating ensures the greatest melting capacity.

However, the danger of local overheating in the melting pot requires you to monitor the heating closely for melting temperature, filling level and agitator operation.

Indirect Heating
A heat transmission oil bath encloses the melting pot to ensure a uniform heat transmission and gentle heating without local overheating in the melting bath.

Suitable for sensitive melting material and ideal if you wish to rely entirely on the temperature control system.

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Preheater D- / ID Range

Technical Data

Preheater

Type - Heating		Out-lets	Filling Quantity (gross) [l]	Ther-mal-oil [l]	Dimensions [mm] L1	L2	L3	B1	B2	H1	H2	H3	Weight [kg / lbs]	
D350 - direct	**(1 Preheater)**	1	350	without	1050	1625		940	1130	1580	995	280	445/981	
D520 - direct	**(1 Preheater)**	1	520	without	1050	1625		940	1130	1830	1235	280	640/1410	
ID420-2 - indirect	**(1 Preheater)**	1	420	132	1650	2340	1151	1151		1650	1270	372	1063/2343	(incl. thermal oil)
	(2 Preheater)		840						2302				2126/4687	(incl. thermal oil)
ID630-2 - indirect	**(1 Preheater)**	1	630	157	1650	2340	1151	1151		1960	1980	372	1230/2711	(incl. thermal oil)
	(2 Preheater)		1260						2302				2460/5423	(incl. thermal oil)
ID840-2 - indirect	**(1 Preheater)**	3	840	188	1650	2340	1151	1151		2308	1930	372	1480/3262	(incl. thermal oil)
	(2 Preheater)		1680						2302				2960/6525	(incl. thermal oil)
ID1100-2 indirect	**(1 Preheater)**	3	1100	205	1730	2420	1250	1250		2308	1930	372	1535/3384	(incl. thermal oil)
	(2 Preheater)		2200						2500				3070/6768	(incl. thermal oil)
ID100 - indirect (without sketch)		1	100	30	1300	-	-	1030	-	1440		-	415/914	(incl. thermal oil, with power station)
Platform, stairs (1 Preheater)*			-	-	-	-	-	-	-	-		-	110/242	
Platform, stairs (2 Preheater)*			-	-	-	-	-	-	-	-		-	192/423	

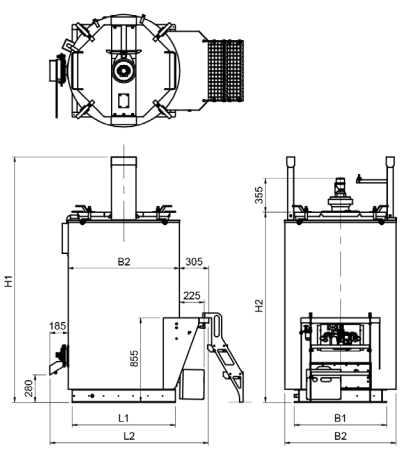
** only for ID630-2, ID840-2, ID1100-2*

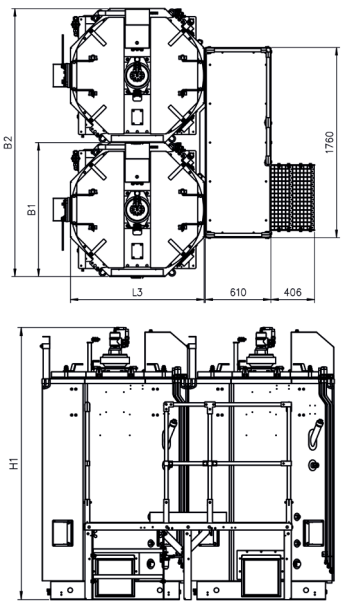
Preheater with electric drive upon request!

Power station:

Engine	*Heating*	*max.n° preheaters*	*Fuel [l]*	*Hydraulic oil [l]*	*Weight [kg/lbs]*	*Dim. LxWxH [mm]*
1-cylinder 232 cm³, Hatz diesel engine, air-cooled **3,1 kW** at 3 000 rpm	gas	1	3	20	115 / 253	510 x 420 x 805
1-cylinder 347 cm³, Hatz diesel engine, air-cooled **4,6 kW** at 3 000 rpm	gas (on request) +24 V diesel	1	45	38	242 / 533	1040 x 560 x 835
3-cylinder 900 cm³, Kubota diesel engine, watercoole **10,0 kW** at 2 200 rpm (continuous speed)	gas (on request) +12V/24V diesel +230V diesel	3 (depends on equipment)	64	70	390 / 860	1250 x 710 x 1100
Thermal oil preheating unit	electric				65/143	500 x 450 x 850

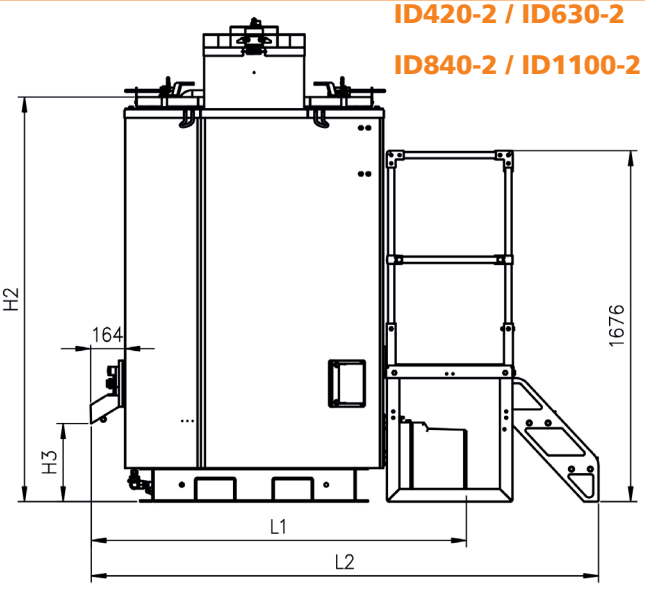
D350 / D520





ID420-2 / ID630-2

ID840-2 / ID1100-2



(Customised sizes upon request)

Subject to technical changes and errors !

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