



## Preheater D- / ID range

ROAD  
MARKING  
SYSTEMS

① ID-Range  
(from left ID410-1, ID810-1, ID1100-1, ID610-1)



①



②

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



③

③ Double preheater unit consisting of two ID1100-1 with diesel oil burner, with platform and stairs, 10 kW power station



④

④ 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 (24V oder 230V)**

- Heated central column to increase the heating surface. Core of the material filling cannot rotate
- Hydraulically top-driven agitator, agitator shaft mounted in central column. No seals exposed to material, removal of agitator shaft possible, even if the preheater is filled and material is cold. Suitable for high level of torque
- Optimum access to the inside. Comfortable cleaning by means of complete removal of top section

### 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.

# Preheater D- / ID Range

## Technical Data

### Preheater



Type - Heating	Filling quan. (gross) [l]	Thermal oil [l]	Dimensions [mm]								Weight [kg / lbs]
			L1	L2	L3	B1	B2	H1	H2		
D350 - direct	350	ohne	1050	1625		940	1130	1580	995	445/981	
D520 - direct	520	ohne	1050	1625		940	1130	1830	1235	640/1411	
ID410-1 - indirect (1 Preheater)	410	115	1700		1200	1200		1700	1260	1110/2447 (incl. thermal oil)	
ID410-1 - indirect (2 Preheaters)	820	230	1700		1200		2400	1700	1260	2220/4894 (incl. thermal oil)	
ID610-1 - indirect (1 Preheater)	610	140	1700	2430	1200	1200		2000	1560	1280/2822 (incl. thermal oil)	
ID610-1 - indirect (2 Preheaters)	1220	280	1700	2430	1200		2400	2000	1560	2565/5655 (incl. thermal oil)	
ID810-1 - indirect (1 Preheater)	810	165	1700	2430	1200	1200		2300	1850	1455/3208 (incl. thermal oil)	
ID810-1 - indirect (2 Preheaters)	1620	330	1700	2430	1200		2400	2300	1850	2910/6415 (incl. thermal oil)	
ID1100-1 indirect (1 Preheater)	1100	215	2000	2630	1400	1250		2300	1900	1640/3615 (incl.thermal oil)	
ID1100-1 indirect (Double preheater)	2200	430	2000	2630	1400		2500	2300	1900	3280/7231 (incl. thermal oil)	
ID100 - indirect (without sketch)	100	30	1300				1030		1440	415/915 (incl. thermal oil, with power station)	
Platform, stairs (1 Preheater)	-	-	-	-	-	-	-	-	-	110/242	
Platform, stairs (2 Preheaters)	-	-	-	-	-	-	-	-	-	192/423	

### Power station:

Engine	Heating	/ max.n° preheaters	Fuel [l] / Hydraulic oil [l]	Weight [kg/lbs]	Dim. LxWxH [mm]
1-cylinder 232 cm <sup>3</sup> , Hatz diesel engine, air-cooled <b>3,1 kW</b> at 3 000 rpm	gas	1	3 / 20	115 / 253	510 x 420 x 805
1-cylinder 347 cm <sup>3</sup> , Hatz diesel engine, air-cooled <b>4,6 kW</b> at 3 000 rpm	gas + 24 V diesel	1	45 / 38	220 / 485	1040 x 560 x 835
3-cylinder 900 cm <sup>3</sup> , Kubota diesel engine, water-cooled <b>10,0 kW</b> at 2 200 rpm (continuous speed)	gas + 24 V diesel + 230 V diesel	3 (depends on equipment)	64 / 70	380 / 838	1250 x 710 x 1100

