ABP 240–400 HRT

ASPHALT-MIXING PLANT PREMIUM

MAKE THE MOST OF RAP

The Ammann ABP 240–400 HRT Plant is an ideal fit for asphalt manufacturers who need to incorporate large proportions of recycled asphalt (RAP) without sacrificing production capacity and quality. HRT is an acronym for "High Recycling Technology," which reflects the latest environmental developments in resource preservation.

HRT APPROACH

- Produces top-quality asphalt mix with a high content of reclaimed asphalt
- Adds fresh aggregate only as a supplement
- Features both a warm and cold recycling system that can be used simultaneously

2 SYSTEM CHOICES

- Conventional concurrent flow dryer for RAP additions of up to 60 per cent
- RAH100, from which 100 per cent recycled materials can be utilised

PRODUCTIVE AND VERSATILE

- Offers production capacity of 320 tonnes per hour
- Is designed to produce hot mixes, low-temperature asphalt and optionally cold asphalt
- Can utilise foamed bitumen, pigments and other additives

AS1 CONTROL SYSTEM

- Features outstanding user friendliness
- Includes valuable tools, such as energy consumption monitoring and a fully automated load-out module
- Offers data documentation and analysis

VERTICAL STACKING

- Reduces component wear
- Prevents RAP from sticking and therefore reduces maintenance
- Shortens the travel distance of hot RAP material

QUALITY DESIGN

- Can be equipped with optional RAP feed bins, which enable the separation of different RAP grain sizes
- Includes a fume suction system throughout the plant as well as full cladding
- Features generous catwalks and platforms for easy access to key maintenance points

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TECHNICAL SPECIFICATIONS
ABP 240–400 HRT
ASPHALT-MIXING PLANT



PLANT TYPE*	240		320–400			320–400
RECYCLING SYSTEM	**RAH60 (PARALLEL FLOW)**		**RAH60 (PARALLEL FLOW)**			**RAH-CF (COUNTER FLOW)**
MAX. RECYCLING ADDITION	60 % (combined)		60 %			80 %
NUMBER OF RECYCLING FEEDERS	As desired					
CONTENT RECYCLING FEEDERS	8 m^3–13 m^3					
TYPE RECYCLING DRYING DRUM	RT 22100 or RT 25140		RT 25110 or RT 25140 or RT 29120			RT 29120/220
MAX. RECYCLING CAPACITY AT 3 % MOISTURE	120 t/h	180 t/h	150 t/h	180 t/h	210 t/h	190 t/h
BURNER POWER OUTPUT	8 MW	max. 12 MW	max. 10 MW	max. 12 MW	max. 14 MW	14 MW
FUELS	Natural gas, fuel oil extra light, heavy oil, brown-coal dust, wood dust					
FILTER CAPACITY	63 000 Nm^3/h	70 000 Nm^3/h	70 000 Nm^3/h or 83 000 Nm^3/h or 90 000 Nm^3/h			
BUFFER SILO RECYCLING (RAH)	30 t, 37 t, 2 × 20 t		20 t, 40 t, 2 × 30 t			

NUMBER OF COLD FEEDERS	As desired				
CONTENT COLD FEEDERS	7.5 m^3–15 m^3				
TYPE DRYING DRUM	T 2390	T 25100	T 2390 or T 25100 or T 27110		
MAX. DRYING CAPACITY AT 3 % MOISTURE	251 t/h	335 t/h	251 t/h	335 t/h	363 t/h
BURNER POWER OUTPUT	max. 18 MW	max. 24 MW	max. 18 MW	max. 24 MW	max. 26 MW
FUELS	Natural gas, fuel oil extra light, heavy oil, brown-coal dust, wood dust				
TYPE SCREEN	VA-2050-S		APS-2060-S or APS-2060 NGS		
SCREENING	5- or 6-fraction				
SCREEN SURFACE	36.2 m^2 (5-fraction) or 43.4 m^2 (6-fraction)		43 m^2 (5-fraction) or 52 m^2 (6-fraction)		
HOT AGGREGATE SILO	65 t or 90 t or 115 t, 1-row / 110 t, 2-row		120 t or 200 t, 1-row / 300 t, 2-row		
AGGREGATE SCALE	4650 kg		5500 kg		
FILLER SCALE	400 kg		900 kg		
BITUMEN SCALE	363 kg		520 kg		
MIXER SIZE / CONTENT	4 t		5 t, option: 4 t, 6 t		
MAXIMUM MIXING CAPACITY	320 t/h		320 t/h (4 t), 400 t/h (5 t), 480 t/h (6 t)		
COLD RECYCLING ADDTION AT 3 % MOISTURE	Up to 25 % RAC addition directly into the mixer				
COLD RECYCLING SCALE	Weigh belt				
COLD RECYCLING SILO	5 t		2 t (at 20 t RAH buffer silo) or 5 t (at 40 t RAH buffer silo)		
HOT MIX STORAGE SILO / COMPARTMENTS	200 t in 4 compartments Available expansions: 300 t in 6 compartments		400 t in 4 compartments Available expansions: 600 t in 6 compartments, 800 t in 8 compartments or 1000 t in 10 compartments		
BINDING AGENT SUPPLY	E-Bit, vertical configurations, 60 m^3, 80 m^3, 100 m^3, also divided tanks available.				
FILLER SUPPLY	According to customer's wishes: filler towers Ø = 3200 or Ø = 3800 in different desired configurations.				

*Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 5 %, aggregate temperature increase 175 K and 0/2 fraction share max. 40 % | Mixing cycles 80 per hour.

For additional product information and services please visit: **www.ammann.com**

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