

Apollo HawkeyePedershaab Concrete Pipe Making Machines : CAP 150, CAP 200, CAP 250 & CAP 360

CAP series machines from Apollo HawkeyePedershaab are dry cast machine for manufacturing almost any type of high quality concrete products:

- Reinforced and non-reinforced pipes
- Circular and non-circular pipes with a "bell" or in-wall joint
- Lined pipe with PE, HDPE, PVC or GRP
- Jacking pipes
- Box culverts
- Manhole risers
- Cones

Single and Twin Station Capability

A second production station can be installed initially or added in the future. Second station permits two different product sizes to be produced at-a-time and virtually doubles machine output.

Standard Features (in CAP 150/200)

- Compaction by synchronized core vibration
- Frequency controlled vibration speed
- Concrete feeding by radial horizontal feeder
- Hydraulic pressing/rocking function
- Demoulding by overhead crane

Dimensions (mm)			
Model	Circular Pipes	Box Culverts/ Manhole Cones	Max Product Length
CAP 150	300-1500	300-1200	2500
CAP 200	300-2000	300-1500	2500
CAP 250	300-2500	300-2000	2500
CAP 360	600-3600	600-3000	3000



CAP 250

Standard Features (in CAP 250/360)

- Electrically driven, synchronized VIHY core vibration system with oil-lubricated bearings.
- Frequency controlled vibrator speeds.
- Concrete feeder with belt distributor for direct filling of all pipe diameters.
- Hydraulically operated pressing/rocking device for forming spigots, with mechanical pipe length control.
- Hydraulic power pack to drive the concrete feeder, the pressing/rocking device and any given hydraulic features on the machine.
- Mechanical elevation system to accommodate different product lengths.
- Stationary Panel with PLC control system and digital display.
- Pit cover plates incl. stairway to the pit for easy access to the machine and the mold.
- Safety system for compliance with EU standard requirements.

Vertical vibrated casting technology



CAP 150 & 200

Production Capability

Diameter mm	Reinforced pipe Length=2500mm Pipe/hour	Manhole riser Height=1200mm Units/hour	Manhole riser Height=600mm Units/hour	Box Culverts Length=2000mm Units/hour
300	7	-	-	4
600	8	11	16	4
900	7	9	16	3.5
1200	5	8	14	3
1500	4.5	7	12	2.5
1800	4	6.5	10	2.2
2000	3.5	5.5	8	1.9
2500	2.5	4	5	1.5
3000	1.4	2	3	1.2
3600	0.9	1.5	2	-

Optional Features (in CAP 150/200)

The CAP 150/200 can be supplied with a number of add-on features to make operations and handling even easier and improve production in general. These include:

- Powered pivot for press arm and concrete feeder
- Stationary control panel
- Lifting hole equipment
- Pneumatic equipment for casting of lined pipe
- Elevating system
- Cooling system for the vibrator
- Double casting stations
- 3 Meter length
- Quick relocated platform / pit cover

Optional Features (in CAP 250/360)

The CAP 250/360 can be supplied with a number of add-on features to make operations and handling even easier and improve production in general. These include:

- Top ring (header) system
- Lifting hole equipment
- Pneumatic equipment for casting of lined pipe
- Double casting stations
- 3 Meter length
- Quick relocated platform / pit cover.
- Pneumatic pallet locking
- Laser fine filling control with concrete distribution belt
- Direct cast-in pin holes for step holes or inserts

Moulds & Accessories



Pallet (Pipe)



Set Rings (Pipe)



Header & Pallet (Box)

