MOLECOR
Smart water

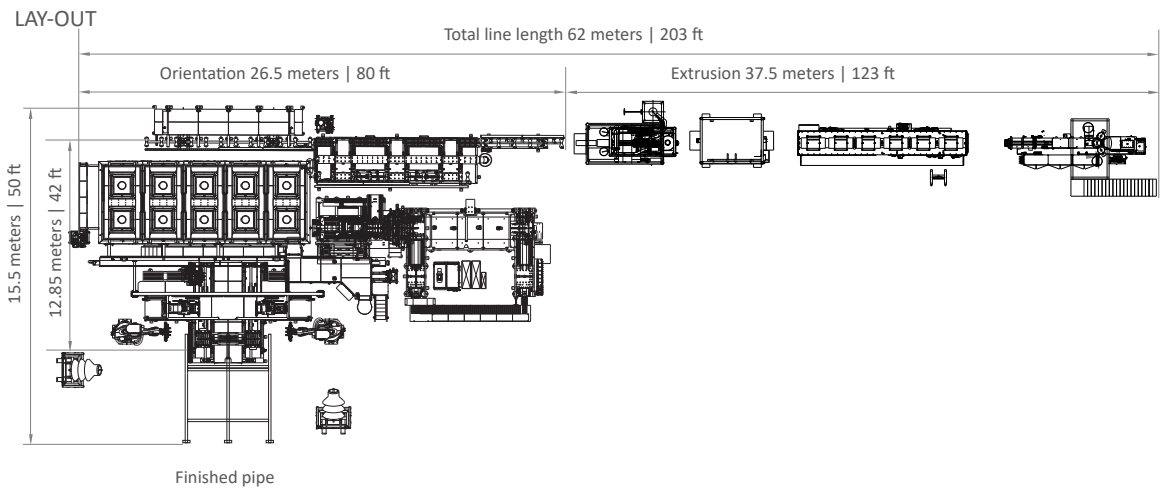
The Genuine Air Technology to achieve the most of PVC-O pipes

M-OR-P 5012

The technology to manufacture the largest PVC-O pipes in the world

Molecor has developed the first system in the world able to manufacture **PVC-O pipes** up to the diameter **DN1200 mm (48'').** This system **M-OR-P 5012**, is able to manufacture pipes **from DN500 mm (18'') to DN1200 mm (48'')** which can be used in the main distribution networks for high pressure water supply, uptake in lakes, desalination stations or other municipal or state major projects.

M-OR-P 5012



RANGE OF PRODUCTS:
DN500 mm to 1200 mm (18" to 48") PN up to 25 bar (365 psi) or 305 psi (21 bar)

RECOMMENDED EXTRUSION LINE:
ARGOS 135, PH5 a PH7

battenfeld-cincinnati

OUTPUT:
7.000 Tons / year

Standards

M-OR-P 5012

EN	ISO	AS/NZS	ASTM		AWWA	CSA		NBR	SASO ISO
17176	16422	4441	1483-05		909-09	B137.3.1		15750	16422
DN mm	DN mm	DN mm	DN inch		DN inch	DN inch		DN mm	DN mm
			IPS	CIOD	CIOD	IPS	CIOD		
500	500	500	20"	18"	18"	20"	18"	500	500
560	560	560	24"	20"	20"	24"	20"	600	560
630	630	600	28"	24"	24"	28"	24"	710	630
710	710	750	30"	26"	26"	30"	26"	800	710
800	800	800	32"	30"	30"	32"	30"	900	800
900	900	900	36"	34"	34"	36"	34"	1000	900
1000	1000	1000	40"	38"	38"	40"	38"	1100	1000
1100	1100	1100	42"	40"	40"	42"	40"	1200	1100
1200	1200		48"	42"	42"	48"	42"		1200

The range of products highlighted in blue are special adaptation processed under request. The diameters in blue are not contemplated in the standards.

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The biggest PVC-O pipe in the world

In only 62 meters length, this system allows manufacturing **PVC-O pipes** from DN500 mm (18”) up to DN1200 mm (48”), something that had never been done fefore.

This 62 meters include the standard equipment of an extrusion line: the extruder, the vacuum tank, the spray tank, the haul off and the saw as well as the exclusive orientation equipment developed by **Molecor** which is fully compatible with standard extrusion lines of pipe factories.

- Diameter: from DN500 mm to DN1200 mm / 18” to 48”
- Pressure: PN25 bar / (365 psi) or 305 psi (21 bar)
- Socket system: integrated or ISS+
- Orientation degree: Class 500
- Output: 7,000 Tons / year

- Hydraulic overrides that make easier the orientation tools movement.
- Warming system which works by forced air convection, monitored in up to ten different zones during the heating process of the PVC-O pipe inside the oven.
- Integrated weighing system that confirmes the viability and quality of the tube in the finishing process.

Energy efficiency

Energy is applied only in the pipe by specific air distribution.

Stability

The Genuine Air System prevents leakage risks due to the absence of boiling water.

Security and quality

Power outages do not cause stops all along the whole line.

Production

In-line work at the same speed as the extruder. No intermediate stocks.

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