

Vacuum calibrating units *(Large diameter range)*



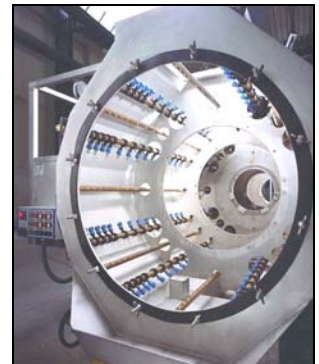
Vacuum calibrating bath V 800 VA

Construction principle

This series, which currently consists of twelve models of different sizes, is the result of the development of a new generation of vacuum calibrating units.

Formerly, the round vacuum chambers were made from a steel pipe with an outer layer applied in a resource-consuming process. Today, the vacuum chambers are designed in stainless steel sheet with a multi-sided configuration. In addition, all water pipes are now made from stainless steel or brass.

The new design of the series yielded a product that is visually attractive, easily maintained and engineered for operational ease.



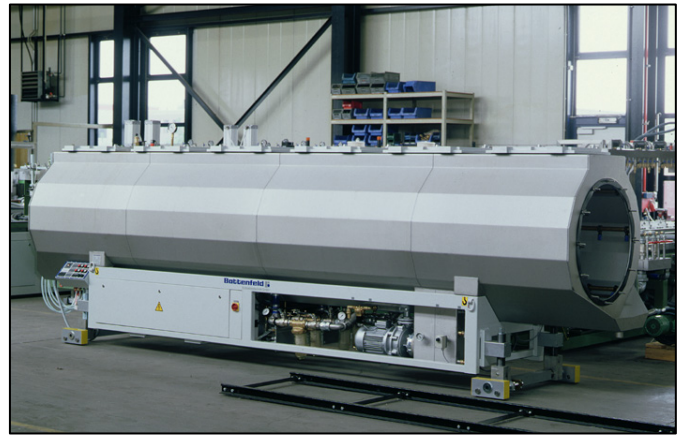
Bayonet-spray nozzles for an intensive cooling process

Vacuum calibrating units

(Large diameter range)

Other features

- Stable vacuum due to the patented vacuum quick regulation system
- Precise temperature control due to cold water cooling
- Tank body constructed with stainless steel body with anodized cast aluminum lids
- Outer pipe systems made of stainless steel for optimum flow conditions
- Minimized pressure loss between circulating pump and spray nozzles
- Subframe mounted on track rolls
- Height adjustment and lateral positioning



Vacuum calibrating unit for large diameter range

Technical Report

Type	V 630 VA	V 800 VA	V 1000 VA	V 1200 VA	V 1400 VA	V2-1600 VA 12m
Max. pipe diameter [mm]	635	800	1000	1200	1400	1600
Min. pipe diameter [mm]	(110) 225*	(200) 450*	(200) 450*	(315) 630*	(315) 630*	(315) 710*
Length of cooling chamber [mm]	5500	5500	5500	5500	5500	1500/10500
Number of vacuum pumps [pcs.] Pump Capacity [kW]	1 x 5.5	2 x 3.0	2 x 3.0	2 x 4.6	2 x 4.6	1 x 4.8/ 2 x 4.8
Cooling water pumps [pcs. X kW]	1 x 7.5	2 x 5.5	2 x 5.5	2 x 11	2 x 11	1 x 9.0 2 x 9.0
Number of spray nozzles	220	264	330	396	462	672
Water throughput [m ³ /h] at a nozzle pressure of 2.5 bar	46	55.4	69.3	83.2	97.0	135
Connected load [kW]	13	18.1	18.1	32.3	32.3	46.2
Extrusion Height, standard [mm]	1160	1250	1450	1650	1750	1950
Length [mm]	5900	5900	5900	5900	5900	12,500
Width [mm]	1120 (1762)**	1410 (2000)**	1650 (2520)**	1900 (2670)**	2100 (2800)**	2500
Height > extrusion height [mm]	610	950	970	1090	1190	2260
Weight [kg]	3200	4500	5000	6000	8000	8000

* Measures in () include an additional set of spray nozzles

** Measures in () include attached walkway

In the interest of continuing development, we reserve the right to amend any specification without notice.



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