

# EnvironTec GAS CHILL WASH DRYER

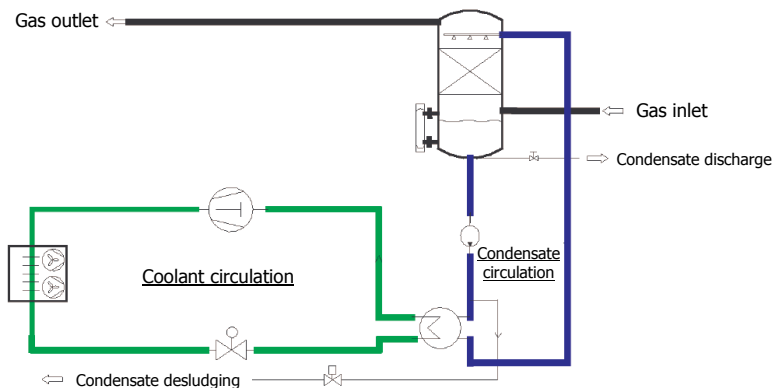


## Range of application

The gas chill wash dryer is a facility for the cleaning, cooling and drying fermentation gas. The chill wash dryers are fully automated and required minimum maintenance (largely self-cleaning).

## Method of operation

The condensate formed is cooled by a built-in refrigerator. In the cold exchanger connected down-stream, heat is extracted from the flow of damp gas by indirect contact with the coolant (washer system). The gas is thus cooled, the moisture contained in it is condensed (dew point 4-6°C) and subsequently removed automatically.



## Refrigerating capacity table

Dew point: 4° C

Ambient temperature: 35° C

Refrigerant: R404A

Gas flow [Nm <sup>3</sup> /h]	Gas inlet 35°C chilled [kW]	Condensate [kg/h]	Gas inlet 45°C chilled [kW]	Condensate [kg/h]
100	3,7	3,4	6,1	6,0
200	7,5	6,8	12,1	12,0
300	11,1	10,2	18,2	18,1
400	14,9	13,6	24,2	24,1
500	18,6	17,0	30,3	30,2
600	22,3	20,5	36,2	36,2
700	26,0	23,9	42,2	42,2
800	29,7	27,3	48,3	48,3
900	33,4	30,7	54,3	54,3
1000	37,2	34,1	60,4	60,4
1100	40,8	37,5	66,4	66,4
1200	44,6	41,0	72,5	72,4
1300	48,3	44,4	78,5	78,5
1400	52,0	47,8	84,6	84,5
1500	55,7	51,2	90,6	90,6
1600	59,4	54,6	96,7	96,6
1700	63,1	58,0	102,7	102,6
1800	66,9	61,5	108,7	108,7
1900	70,6	64,9	114,7	114,7
2000	74,3	68,3	120,8	120,8
2100	78,0	71,7	126,8	126,8
2200	81,7	75,1	132,9	132,8
2300	85,5	78,5	138,9	138,9
2400	89,1	82,0	144,9	144,9
2500	92,8	85,4	150,9	151,0

## Equipment supplied

The chill wash dryer is designed for indoor installation on a level foundation or floor, as standard. The equipment is supplied ready for operation. The operating voltage is 400V/50Hz, the control voltage 230V/50Hz. The switchgear cabinet supplies a potential-free contact for a centralised fault signal supplied to the main control room.

## Options

Version for outdoor installation  
Split, container and special designs (e.g. explosion-proof designs)

