

ATS

Air
Treatment
Solutions



DSU SERIES

DSU SERIES



With the DSU series, ATS has developed a product to meet the needs of its most demanding customers, and guaranteeing good value for money on the market. All models have an electronic board system, with a double sensor system that keeps the dew point and the condensing pressure under control. The aluminium heat exchanger has been studied and patented in order to offer the maximum

performance and minimum pressure drop. DSU series are suitable for small and medium-scale businesses. Silver series meet the needs of customers in search of best value for money.

ATS designed and developed the DSU series with total respect for the environment through the use of eco-friendly gases and recyclable materials.

Correction factor for operating pressure changes

Inlet air pressure (psig)	60	80	100	120	140	160	180	200
Factor	0.79	0.91	1.00	1.07	1.13	1.18	1.23	1.27

Correction factor for operating pressure changes

Ambient Temperature (°F)	80	90	100	110	115
Factor	1.10	1.07	1.00	0.83	0.70

Correction factor for inlet air temperature changes

Air Temperature (°F)	90	100	110	120	130
Factor	1.11	1.00	0.80	0.65	0.53

Correction factor for dew-point changes

Dew-point (°F)	37	41	44	50
Factor	0.91	1.00	1.10	1.26

Refrigerated air dryers

DSU SERIES

Standard reference conditions ISO 7183:

- ambient temperature: 100°F
- inlet temperature: 100°F
- inlet air pressure: 100 psig
- dew point: Class 5 (ISO 8573-1:2010)
- UL / CSA Certified

Max working conditions:

please refer to datasheet

Optional: No Loss Drain



Model	Refrigerant	Flow - Rate		Connection	Dimension	Weight		Power-Supply
	Type	scfm	m³/h	NPT	W x L x H [in]	Kg	lbs	V/ph/F
DSU 15	R134a	15	25	3/4"	12 x 14.7 x 17.3	18	40	115 / 1 / 60
DSU 20	R134a	20	34	3/4"	12 x 14.7 x 17.3	18	40	115 / 1 / 60
DSU 35	R134a	35	59	3/4"	12 x 14.7 x 17.3	19	42	115 / 1 / 60
DSU 51	R134a	51	87	3/4"	13.6 x 16.1 x 18.9	24	53	115 / 1 / 60
DSU 75	R134a	75	127	1"	15.7 x 18.2 x 21.3	27	60	115 / 1 / 60
DSU 100	R134a	100	170	1"	15.7 x 18.2 x 21.3	30	66	115 / 1 / 60
DSU 125	R134a	125	211	1"	15.7 x 18.2 x 21.3	40	88	115 / 1 / 60
DSU 150	R134a	150	254	1"	15.7 x 18.2 x 21.3	41	90	115 / 1 / 60
DSU 175	R407C	175	297	1.1/2"	21.2 x 21.2 x 26.9	55	121	115 / 1 / 60
DSU 220	R407C	220	374	1.1/2"	20.7 x 24.7 x 44.2	72	159	230 / 1 / 60
DSU 300	R407C	300	510	1.1/2"	20.7 x 24.7 x 44.2	78	172	230 / 1 / 60

Optional: No Loss Drain

Notes: for special requirements please contact our technical department



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