

CRE 30 / CRE 60

Air drying units

- Reduce the risk of hydrogen cracking
- Built-in monitor - warns if the prefixed humidity is exceeded
- Reduces condensation - less corrosion and malfunctions
- Flexibility - adaptation to many users for example: OPC, air brakes, flux valve and TPC 75 flux tank
- Easy supervision - Manometer on pressurised dryer bottles and better dew point indicator

The air drying units A6 CRE 30 and CRE 60 are designed for use together with the ESAB flux handling systems. The air drying units work on the adsorption principle and are reactivated cold.

Most industries use compressed air as energy source for many processes. For most of them humidity is of no importance. The welding industry use compressed air to transport flux of Submerged-arc welding. The necessity of keeping these consumables dry is well known. The need to keep humidity low in the air is of the same importance as all other precautions one take in a weld shop to limit the risk of hydrogen cracking.

The air dryer gives full control to the pressurised air influence on hydrogen content with a dew point lower than -26°C at rated input. At dew point -26°C , air volume of 1000 litre can absorb less than the weight of 0.5 g water.



With ESAB's flux recovery system OPC or flux tank TPC 75, the air consumption is max 300 l/min. A compressed air system having dew point 0°C will give an increase of hydrogen in flux of 0.05% which is maximum for unspecified welding.

CRE 30 and CRE 60 are air dryers for compressed air. They connect to a plants normal distribution system of air. The capacity is enough to handle a delivery/recovery system for SAW. The capacity is 30 normal m^3/h at rated input for CRE 30 and 60 normal m^3/h for CRE 60.

CRE 30 and CRE 60 reduce condensation of water in pneumatic systems and thereby reduce corrosion and malfunctions. Another advantage is the built-in monitor that warns if the prefixed dew point of the air is exceeded.

Technical data	CRE 30	CRE 60
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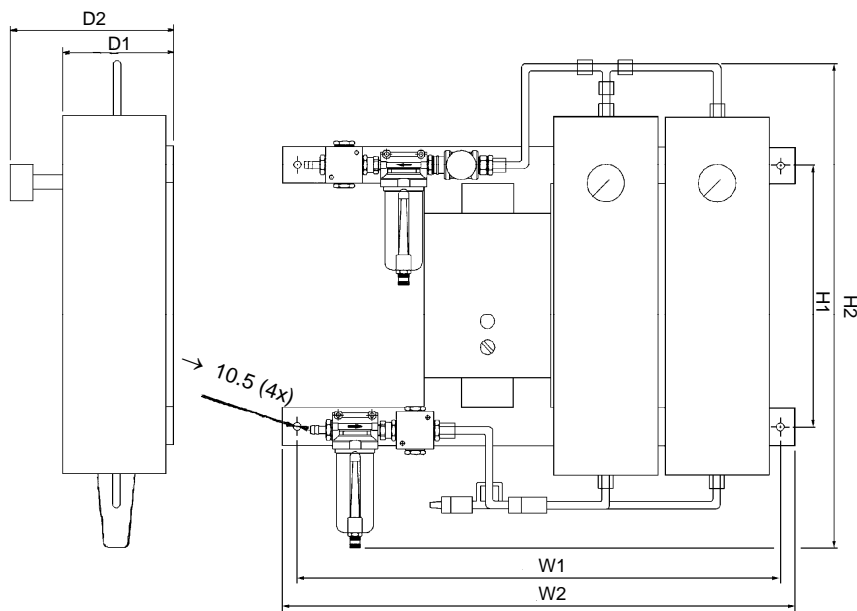
Supply voltage (AC)	230V 50/60 Hz	230V 50/60 Hz
Max power rating	40W	50W
Net air flow capacity at 6 bar, m ³ /h	30 normal	60 normal
Regenerating flow at 6 bar	14%	14%
Max dew point under nominal working conditions	-26°C	-26°C
Desiccant 512		
Sodium-Aluminium-Silicate	10 kg	16 kg
Normal pore size	4 ångström (Å)	4 ångström (Å)
Particle size	2.5- 5 mm	2.5 - 5 mm
Density	720 kg/m ³	720 kg/m ³
Cycle time per container	5 min	5 min
Max permissible air flow for oil separation filter	60 normal m ³ /h	60 normal m ³ /h
Mainfold thread size	R12"	R12"
Max working pressure	6 bar	6 bar
Max air pressure at testing	10 bar	10 bar
Max inlet air temp. Under nominal conditions	30°C	30°C

Ordering information	
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CRE 30 air drying unit	0443 570 880
CRE 60 air drying unit	0443 570 881
Desiccant type 512 (1 kg)	0443 570 017
Oil filter	0443 570 018
Dust filter	0443 570 019

Dimensions	CRE 30	CRE 60
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H1	350	350
H2	650	900
W1	650	650
W2	690	690
D1	160	160
D2	220	220



2010-04-09 / ESAB reserves the right to alter specifications without prior notice



ESAB AB
Welding Equipment
 SE-695 81 LAXÅ SWEDEN
 Phone: +46 584 81000
 Fax: +46 584 411721
 E-mail: info@esab.se
 www.esab.com

