

AIR TREATMENT PRODUCTS

Air Receivers, Dryers, Filters & More

COMPLETE AIR
& POWER SOLUTIONS



CAPS AUSTRALIA COMPLETE AIR & POWER SOLUTIONS

CAPS Australia is a privately owned and proud Australian company intent on remaining at the forefront of compressed air, gas generation and power generation solutions.

WHO IS CAPS AUSTRALIA?

- Over **40 years of experience** in the Australian market.
- **10 branches** reach right around the country with **over 160 employees**.
- **60 service technicians** covering the full national footprint with a **24/7 service** offering.
- A vast inventory of **spare parts**.
- An **independent company** with the flexibility to search globally for the best products and technologies that best serve the **Australian market's needs**.
- CAPS has world-renowned partner brands such as Ingersoll Rand, Kohler, AIRMAN, Sauer, Pedro Gil and many more.
- **Custom design, manufacturing, supply and service**
- ISO 9001 accredited facilities

WHO DO WE SERVE?

- Mining
- Manufacturing
- Food and beverage
- Waste water treatment
- Oil and gas
- And many more throughout Australia and internationally, having exported turn-key packages to over 35 countries.



"At CAPS, we think outside the box to develop integrated, agile solutions that are designed around the specific needs of our customers."



BETTER AIR QUALITY FOR BETTER PERFORMANCE

AIR QUALITY CAN HAVE A SIGNIFICANT IMPACT ON COMPRESSED AIR SYSTEMS, PARTICULARLY WHEN IT COMES TO SAFETY AND OVERALL PERFORMANCE.

Properly treated, compressed air can help improve productivity, system efficiency and product or process quality. Dirt, moisture and oil are often the culprits of compressed air systems not performing optimally, and can drastically reduce the quality of your compressed air supply. So it's important to choose the right air treatment equipment to provide the protection and support your particular system needs.

AT CAPS, OUR AIR TREATMENT PRODUCTS INCLUDE

- Compressed air receivers
- Refrigerated air dryers
- Desiccant air dryers
- Auto drains
- Inline filters
- Oil-water separators
- Water separators
- Carbon towers

OUR RANGE OF AIR TREATMENT SOLUTIONS HELP TO

- Eliminate condensation
- Improve energy efficiency
- Reduce corrosion
- Monitor dew point
- Dehumidify
- Reduce rust
- Remove contaminants

Our products help keep your compressed air clean and safe, thereby improving efficiency and safeguarding your production processes. Regardless of whether your industry is manufacturing, automotive, mining or agriculture, we'll have an air treatment application to suit you.

At CAPS, we have one of the widest selections of air treatment products in Australia, and our expert team has the relevant application knowledge to help protect and safeguard your compressed air system.



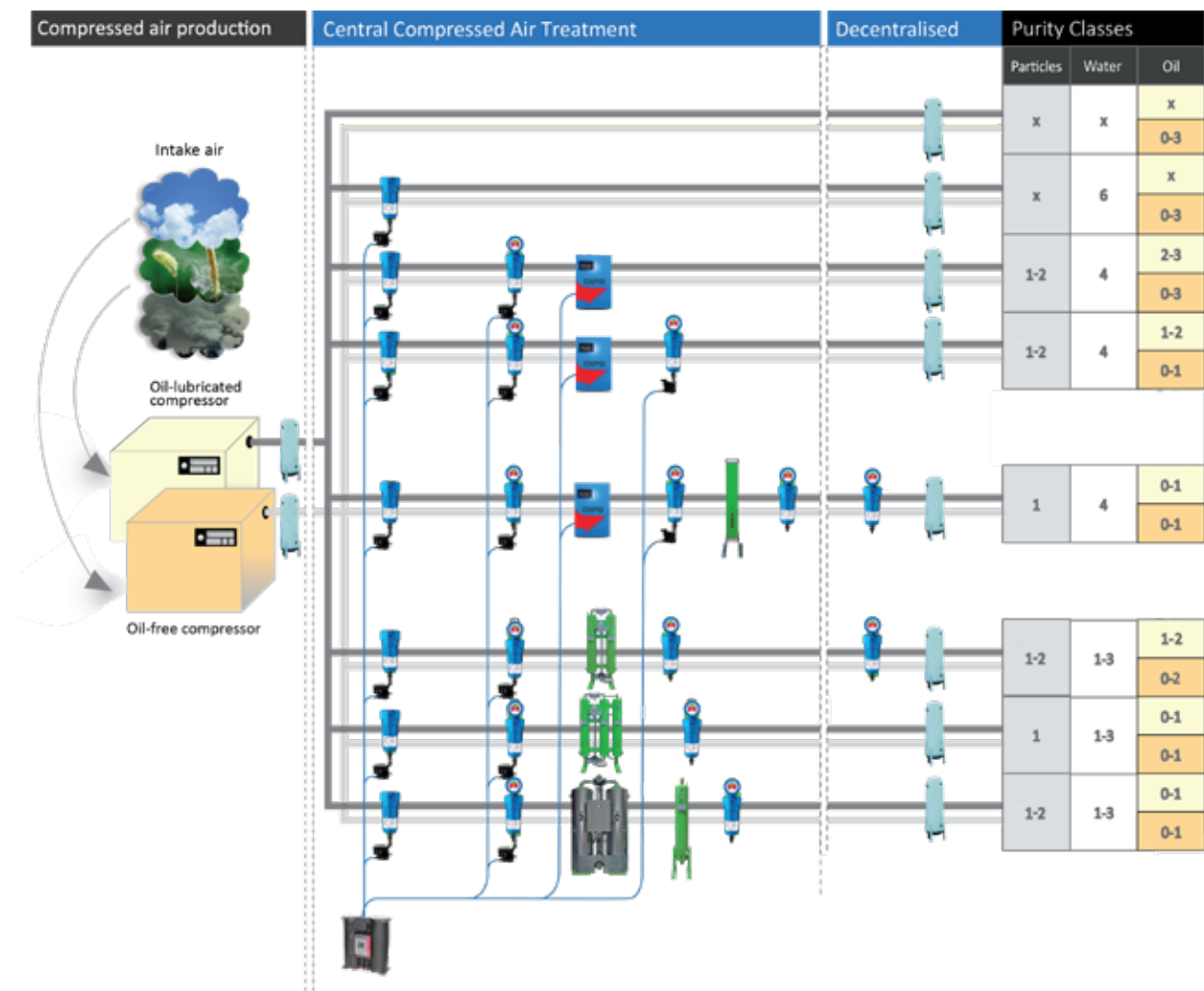
GUIDELINE FOR COMPRESSED AIR PURITY

ISO 8573.1 PURITY CLASSES

Developed by the International Standards Organisation (ISO), compressed air purity classes (as defined by ISO 8573-1), classify what levels of solid particle, water and oil are acceptable in each given class.

Class	Solid Particle Maximum number of particles per m³			Water Pressure Dewpoint (°C)	Oil Inc. vapour mg/m³
	0.1-0.5 micron	0.5-1.0 micron	1.0-5.0 micron		
0	As specified by the equipment, user or supplier and more stringent than Class 1				
1	100	1	0	-70	0.01
2	100,000	1,000	10	-40	0.1
3	-	10,000	500	-20	1
4	-	-	1,000	3	5
5	-	-	20,000	7	-
6	-	-	-	10	-
X	-	-	-	>10	>10

Depending on the purity class needed for your installation, different combination of air treatment products will be necessary. The drawing below shows you the most common scenario. Our CAPS expert will be able to help you to select the best solution for your need.



COMPRESSED AIR RECEIVERS



Also known as a compressed air tank, air receivers are a great way to temporarily store a volume of compressed air for when it's needed most, such as during peak demand.

An air receiver attached to your air compressor installation helps to decrease loading and unloading cycles on the compressor itself, easing its overall workload.

STANDARD AIR RECEIVERS

Air receivers help to eliminate pulsation in the discharge line, reduce load cycles, and act as storage. Selecting an appropriately sized receiver to match your compressed air needs are important.

Our extensive range of vertical air receivers are designed, manufactured and tested to meet Australian standards (including design code AS1210 and manufacturing code AS3920.1). Competitively priced, they come with a Manufacturer's Data Report in accordance with Australian Standard AS4458. They also meet OH&S registered design approval for workplace use in all Australian states and territories, and are available for immediate delivery.

QUALITY ACCREDITED

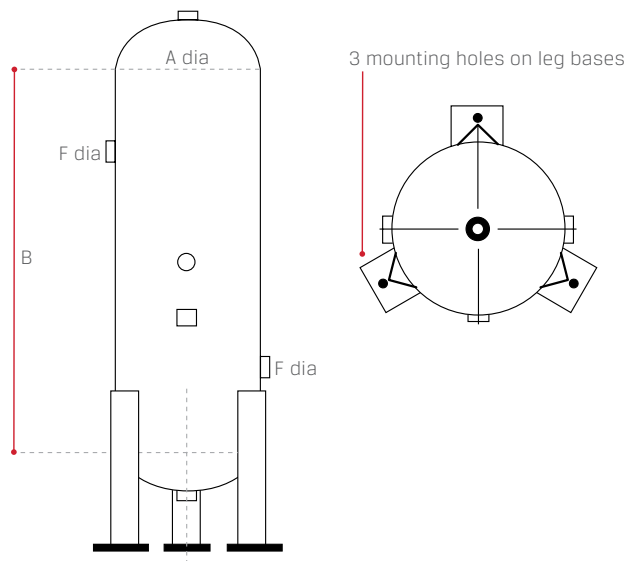
CAPS air receivers are designed to Australian design code AS1210 and manufacturing code AS3920.1.

INCLUSIONS

- Design code = AS1210 Class 3
- Packing = plastic wrapped and in open slatted crate
- Support legs with pre drilled base plates
- Inspection opening
- Quality steel (shell & heads)
- Manufacturer's data report

OPTIONS

- Air receiver fittings kit including pressure gauge, drain valve and reducing bushes
- Mechanical auto drain
- Electronic auto drain



AIR RECEIVER TECHNICAL DATA

Model	Design Pressure	Volume	Inlet/Outlet Connections	PSV Connection	Weight	Dimensions - mm		
	kPag	Litres	Inches	BSP	kg	Dia	Shell	Est. Overall Height
VR150-1300	1,300	152	1" BSP	1/2" BSP	94	381	1,800	1,700
VR300-1100	1,100	336	1-1/2" BSP	3/4" BSP	120	457	1,500	2,470
VR500-1200	1,200	510	2" BSP	1" BSP	208	562	1,800	2,470
VR500-1550SR	1,550	500	2" BSP	3/4" BSP	280	608	1,516	2,211
VR850-1250SR	1,250	850	2" BSP	1" BSP	295	780	1,510	2,300
VR1000-1100	1,100	953	2"BSP	1" BSP	324	750	1,800	2,525
VR1200-1100SR	1,100	1,200	2"BSP	1" BSP	355	930	1,450	2,300
VR1500-1100	1,100	1,498	2"BSP	1" BSP	500	750	3,100	3,840
VR2000-1060	1,060	2,160	80 - TABLE E	1-1/2" BSP	620	900	3,100	3,912
VR2000-1100SR	1,100	2,000	2"BSP	1" BSP	500	1,100	1,750	2,682
VR3000-1100	1,110	3,390	100 - TABLE E	1-1/2" BSP	780	1,051	3,100	4,080
VR4000-1100	1,100	4,071	100 - TABLE E	1-1/2" BSP	1,600	1,200	3,100	4,120
VR5000-1240	1,240	5,224	100 - TABLE E	1-1/2" BSP	1,488	1,350	3,100	4,229
VR6000-1110	1,100	6,538	100 - TABLE E	2" BSP	1,686	1,500	3,100	4,282
VR8000-1240	1,240	7,835	100 - TABLE E	2" BSP	2,300	1,350	5,000	6,107
VR10000-1100	1,100	9,898	100 - TABLE E	2" BSP	2,540	1,500	5,000	6,190

NOT QUITE WHAT YOU'RE AFTER?

Not a problem. If our standard air receiver designs aren't the right fit for your particular system, the expert team at CAPS can work with you to customise, design and build an air receiver that meets your exact specifications and pressure requirements.



TYPICAL APPLICATIONS

- Air & Nitrogen Receivers
- Separator Vessels
- Accumulators
- Chemical Process Tanks
- Wine Processing Tanks
- Bitumen Vessels

CUSTOMED AIR RECEIVERS

CAPS is proud to offer our customers a very competitively priced, high quality offshore manufacturing option for special engineered process vessels.

We have the capability to manage the process from end to end. This includes design control and registration, compliance to codes, standards and regulatory requirements, quality assurance of fabrication and protective coating, supply chain management, freight, documentation and final delivery of complete vessel projects.

Vessel volumes can range from 10 litres to 50,000 litres and design pressures can range from full vacuum, up to 5000 kPa or even higher. We have an established library of over 500 registered pressure vessels designs, however new code compliant designs can be quickly engineered to your requirements and specifications. CAPS can design your vessel for any given cyclone wind loading or seismic conditions and provide fully documented supporting calculations for critical applications.

CODE COMPLIANCE

CAPS designs are compliant with the requirements of all state based design and plant registration authorities, including all states WorkSafe/Workcover OHS requirements or Department of Mines and Petroleum (DMP) Regulations in WA.

CAPS also works with independent third party design and QA inspection bodies such as ICD, Bureau Veritas or LRQA both locally and internationally where required. We have expertise with AS1200, AS1210, AS3920, AS 3788, AS4037, AS4458, AS4343, AS3992, AS2791, ASME VIII, ASME IX, EN286-1 and many other national and international standards. On behalf of our clients, we carry out periodic statutory vessel inspections and can also conduct plant registrations. CAPS have the ability to conduct hydrostatic testing in house, and we can repair and recertify damaged pressure vessels.

OPTIONS

MATERIAL OPTIONS

- Carbon steel
- 304 or 316 stainless steel
- Or even customer specific materials

PRODUCTION VOLUME

- One off vessels
- Production run

SURFACE PROTECTION

- Internal and / or external surface protection systems
- Low cost primer / enamel
- Powder coating
- Full painting QA customer specific system

COMPRESSED AIR DRYERS

The image shows two large, dark-colored industrial compressed air dryers standing side-by-side in a factory or warehouse environment. Each dryer has a pressure gauge on its side and various pipes and valves connected to it. A red arrow graphic points from the left towards the dryers. In the background, there are shelves and some equipment, including a box labeled 'RMAN'. The overall scene is industrial and functional.

A dryer is there to reduce the water vapour down to an acceptable level. There are three well established technologies for drying compressed air – refrigeration / desiccant / membrane.

PURPOSE OF COMPRESSED AIR DRYING

Our atmosphere is made up of different gases, impurities and moisture. As your compressor inhale the atmospheric air and compressed it to a higher pressure, the concentration of the impurities and moisture increases.

Water not only causes damage in the form of corrosion, it also promotes the growth of micro-organisms. This can be harmful to products and manufacturing processes.

The term "Pressure Dew Point" describes the temperature at which an operating cubic meter of air under a corresponding pressure is saturated to 100% with water vapour. Although it is expressed as temperature value, the dew point does not correspond to the actual air temperature. For Example: Compressed air with a temperature of 35°C can have a dew point of -40°C.

For applications where residual humidity in the compressor air (Pressure Dew Point) is a quality criterion

- Excessively high residual humidity in the compressed air has a negative impact on the quality of painting
- Water-attracting hygroscopic products such as power, spices, salt and sugar stick together during the production process.
- In unprotected & cold environment, humidity in the compressed air leads to freezing up of control valves and corrosion in pneumatic devices.

Many users do not realise how much water can be generated by using compressed air system. 100% saturated compressed air normally stored in the air receiver tank and then moves in the pipework. It cools and condenses the water vapour into liquid water, which in terns also forms aerosols and water mist.

	Refrigerated Dryer	Membrane Dryer	Desiccant Dryer
Pressure Dew Point (°C)	+3 to +10	-40 to +10	-70 to -20
Volume flow (m3/min)	Approx. 0.3 to 300	Approx. 0.02 to 2.5	Approx. 0.15 to 1,700
Working principle	Differential temperature / heat exchanger using condensation principle	Hollow membrane fibre / humidity is discharged to the surroundings via purge air	Humidity is adsorbed by an adsorbent / chemical process
Application Note	Not suitable for ambient temperature below freezing and application that requires negative pressure dew point	Point of use dryer. Best to avoid outdoor below freeze point	There are purge and non-purge models that needs to be applied to suit the application and installation.

REFRIGERATED COMPRESSED AIR DRYERS

CDRS SERIES

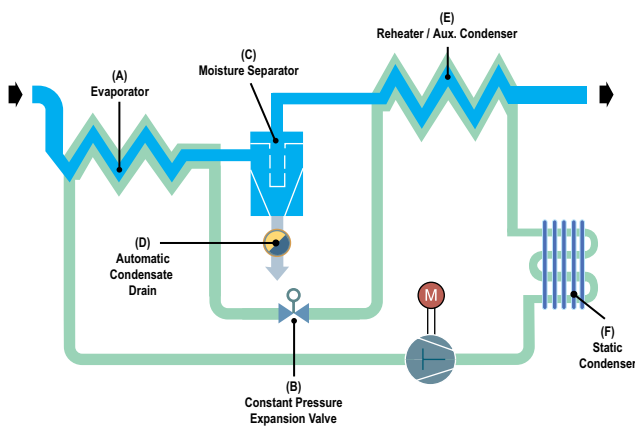
The CDRS Series is the smallest product in the CAPS dryer range. This worldwide patented product features a simplified, super quiet and reliable refrigeration circuit with low operating costs. It is ideal for main air systems or as a point-of-use dryer.

STATIC CONDENSER WITH NO COOLING FAN

- No maintenance required
- Super quiet operations
- Lowest operating costs
- Worldwide patented design
- Robust design and compact size

UNIQUE REFRIGERANT COOLING SYSTEM

- Electronically controlled condensate drain
- Comes complete with strainer to reduce clogging
- Excellent dew point performance under all conditions
- Corrosion resistant heat exchanger



CAPS REFRIGERATED AIR DRYERS TECHNICAL DATA

Model	Flow Capacity		Absorbed Power (kW)	Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m ³ /min	CFM				
CDRS15	0.50	17	0.24	3/8	20	382x320x320
CDRS35	1.33	47	0.42	3/4	32	568x368x394
CDRS50	1.67	59	0.58	3/4	44	568x500x500

CAPACITY CORRECTION FACTORS

Inlet Air Pressure bar(g)	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction Factor	0.80	0.88	0.95	1.00	1.03	1.06	1.08	1.10	T	1.13	1.14	1.15	1.16
Inlet Air Temperature °C	30	35	40	45	50	55	60	-	-	-	-	-	-
Correction Factor	1.21	1.00	0.82	0.68	0.57	0.46	0.39	-	-	-	-	-	-
Inlet Air Temperature °C	25	30	35	40	45	50	-	-	-	-	-	-	-
Correction Factor	1.00	0.94	0.88	0.83	0.73	0.56	-	-	-	-	-	-	-

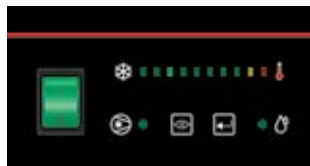
Flow rates and performance based on 25°C ambient, 35°C inlet, 6.9 bar(g) (100 psig), 3°C pressure dew point. Specifications subject to change without notice. For detailed specifications and options available, please contact CAPS.

*Please consult your CAPS Sales Engineer before operating beyond this range.

CDRM & CDRL SERIES

The CAPS CDRM and CDRL series dryers are ideal for compressed air systems to deliver reliable protection against moisture.

CAPS has worked in conjunction with a world renowned compressed air dryer manufacturer to develop this range of dryers that caters for your needs.



KEY FEATURES

- Optimised for hot and humid climate.
- Stainless steel brazed plate heat exchangers optimize heat transfer and service life. Separator / re-heater and evaporator combined into one compact efficiency unit.
- Reheat circuit – reduces the amount of heat rejection to the ambient air.
- Improved ventilation with up-flow cooling air design.
- Low pressure drop reduces power consumption and operating costs.
- Easy to install package that saves time and money.
- User friendly digital control / display.
- IP54 control cubicle protection (CDRL series only).

HOW IT WORKS

Warm, saturated compressed air enters the air to air heat exchanger and is cooled by the exiting air. The pre-cooled air then enters the air to refrigerant heat exchanger and is further chilled causing water vapour to condense.

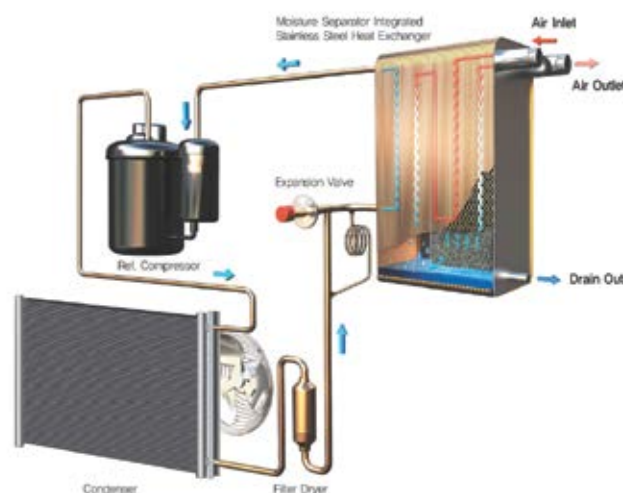
Condensed moisture is collected from the air stream by an integral separator with stainless steel demister. Liquid condensate is removed from the separator by an automatic drain. Cold air is then reheated in the air to air heat exchanger to eliminate pipe sweating. Pairs up with the correct in-line filters will provide high quality compressed air for your application.

OPERATING CONDITIONS CDRM

- Inlet air temperature: 4 - 65°C
- Ambient temperature: 4 - 50°C
- Max inlet pressure: 16bar.g
- Minimum inlet pressure: 3bar.g
- Electrical requirements: 220 ~ 240V-1PH-50Hz

OPERATING CONDITIONS CDRL & HXK

- Inlet air temperature: 4 - 65°C
- Ambient temperature: 4 - 50°C
- Max inlet pressure: 16bar.g
- Minimum inlet pressure: 3bar.g
- Electrical requirements: 415V-3PH-50Hz



CDRM TECHNICAL DATA

Model	Flow Capacity		Absorbed Power (kW)	Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m³/min	CFM				
CDRM85	2.46	86	0.52	1	50	641x363x881
CDRM150	4.34	153	0.71	2	67	761x443x931
CDRM240	6.94	245	1.36	2	77	761x443x931
CDRM370-3C	10.69	377	2.00	2	97	811x493x1,111
CDRM450	12.99	458	2.38	2	100	811x493x1,111
CDRM530	15.30	540	2.66	2	128	811x553x1,211

CDRL TECHNICAL DATA

Model	Flow Capacity		Absorbed Power (kW)	Inlet/Outlet Connections (in.)	Weight (kg)	Dimensions (mm)
	m ³ /min	CFM				
CDRL800-4	23.09	815	5.8	3"FLG	285	1,564x724x1,054
CDRL1250-4	36.09	1,275	7.3	4"FLG	340	1,572x724x1,204
CDRL1500-4	43.31	1,530	7.1	4"FLG	400	1,722x804x1,254

CAPS CORRECTION FACTORS

Inlet Air Temperature (°C)	-	-	35	40	45	50	55	60	65	
Correction Factor	-	-	1.00	1.00	0.94	0.87	0.72	0.61	0.52	
Ambient Air Temperature (°C)	25	30	35	40	43	50	-	-	-	
Correction Factor	1.00	0.88	0.83	0.63	0.50	0.38	-	-	-	
Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	16	
Correction Factor	0.92	1.00	1.03	1.07	1.09	1.10	1.12	1.18	1.23	

HXK SERIES

OPERATING CONDITIONS CDRL & HXK

- Inlet air temperature: 4 - 65°C
- Ambient temperature: 4 - 50°C
- Max inlet pressure: 16bar.g
- Minimum inlet pressure: 3bar.g
- Electrical requirements: 415V-3PH-50Hz



HXK TECHNICAL DATA

Model	Flow Capacity		Absorbed Power (kW)	Inlet/Outlet Connections (in.)	Weight (kg)	Dimensions (mm)
	m ³ /min	CFM				
HX2000K-4	60	2119	9.5	6" FLG	1,000	1,628x1,050x1,800
HX2500K-4	75	2646	10.3	6" FLG	1,050	1,628x1,050x1,800
HX3000K-4	90.1	3179	11.8	6" FLG	1,100	1,628x1,050x1,800

CAPS CORRECTION FACTORS

Inlet Air Temperature (°C)	-	35	40	45	50	55	60	-	-	
Correction Factor	-	1.00	0.84	0.71	0.58	0.48	0.40	-	-	
Ambient Air Temperature (°C)	25	30	35	40	45	50	-	-	-	
Correction Factor	1.00	0.92	0.85	0.78	0.68	0.56	-	-	-	
Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	14	
Correction Factor	0.96	1.00	1.03	1.07	1.10	1.12	1.14	1.17	1.19	

CDRP SERIES

The CDRP Series refrigerated air dryer from CAPS represents a breakthrough in dryer technology and the new benchmark for energy efficiency. The high performance unit uses Phase Change Material (PCM) to achieve superior energy savings, with a potential return on investment of one to two years.

INTEGRAL STAINLESS STEEL BRAZED PLATE HEAT EXCHANGER

High efficiency performance and stable dew point with anti-corrosive stainless steel material. Helium leak tested.

4 IN 1 MODULE: STORAGE, RE-HEATER, CHILLER AND SEPARATOR

Compact and easy to maintain with low pressure drops for reduced operating costs

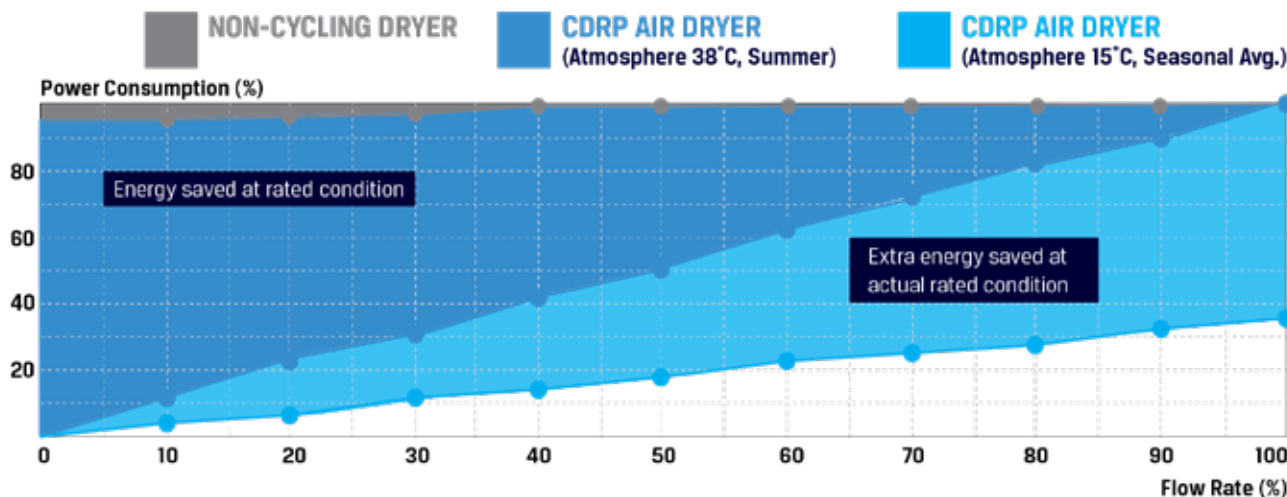
ADVANCED OPTI-ECHO CONTROL PANEL

- Energy saving and dew point level display
- Dryer/Ref. compressors operating hours display
- Dry contact for common alarm

**UP TO 99%
ENERGY SAVINGS**



ENERGY SAVING COMPARISON (AGAINST NON-CYCLING AIR DRYER)



DISCOVER YOUR SAVINGS POTENTIAL

Using our CDRP payback calculator, we can calculate your expected payback period based on estimated energy savings.

PAYBACK PERIOD EXAMPLE 1

- 15kW screw compressor (35°C)
 - CDRP dryer vs non-cycling dryer
- ROI / PAYBACK = 1.62 YEARS*

PAYBACK PERIOD EXAMPLE 2

- 37kW screw compressor (35°C)
 - CDRP dryer vs non-cycling dryer
- ROI / PAYBACK = 0.35 YEARS*

*Based on 12 hours per day 5 days per week operation.

REAL ENERGY SAVING EXAMPLES BY INDUSTRY



MACHINERY
RUNNING TIME 3,147HRS



AUTOMOTIVE
RUNNING TIME 5,923HRS



ELECTRONIC
RUNNING TIME 7,360HRS



INJECTION MOULDING
RUNNING TIME 3,114HRS

CDRP TECHNICAL DATA

Model	Flow Capacity		Absorbed Power (kW)	Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m ³ /min	CFM				
CDRP120	3.40	120	0.68	1" BSP	72	711x363x781
CDRP290	8.80	310	1.90	2" BSP	147	911x494x1,111
CDRP540	16.50	582	3.70	2" BSP	190	1,032x494x1,203
CDRP640	19.30	682	3.90	2" BSP	211	1,032x544x1,303

CAPS CORRECTION FACTORS

Inlet Air Temperature (°C)	-	-	35	40	45	50	55	60	65
Correction Factor	-	-	1.00	1.00	0.94	0.87	0.72	0.61	0.52
Ambient Air Temperature (°C)	25	30	35	40	43	50	-	-	-
Correction Factor	1.00	0.88	0.83	0.63	0.50	0.38	-	-	-
Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	16
Correction Factor	0.92	1.00	1.03	1.07	1.09	1.10	1.12	1.18	1.23



HIGH INLET TEMPERATURE DYER - BEKO RAHT SERIES

The DRYPOINT RA HT compressed air refrigeration dryer has been specially developed for high inlet temperatures up to 100 °C with the added bonus of built-in zero loss BEKOMATE auto drain with no unnecessary loss of compressed air.

This translate to an overall energy efficiency at maximum performance.



KEY FEATURES

- Integrated air cooled after cooler and CLEARPOINT pre-filter
- BEKOMAT zero loss auto drain
- Low energy consumption with stable pressure dew point

OPERATING CONDITIONS

- Maximum compressed air inlet temp: 100°C
- Min.....max operating pressure: 4.....14Barg
- Minmax ambient temp: + 2+50°C
- Volume flow rate: m3/hr relative to +20°C @ 1Bag
- Electrical requirements: 230~240V/1P/50Hz

RAHT TECHNICAL DATA

Model	Flow Capacity		Absorbed Power (kW)	Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m³/min	CFM				
RAHT5	0.54	19	0.27	G 1/2 BSP-F	30	645x425x415
RAHT8	0.85	30	0.30	G 1/2 BSP-F	31	645x425x415
RAHT12	1.20	42	0.40	G 1/2 BSP-F	33	645x425x415
RAHT18	1.80	64	0.63	G 1 BSP-F	50	1,130x410x465
RAHT23	2.30	81	0.86	G 1 BSP-F	51	1,130x410x465
RAHT30	3.10	109	1.00	G 1 1/4 BSP-F	61	1,240x510x515
RAHT40	4.00	141	1.05	G 1 1/4 BSP-F	66	1,240x510x515
RAHT55	5.50	194	1.15	G 1 1/2 BSP-F	75	1,400x560x595
RAHT60	6.20	219	1.42	G 1 1/2 BSP-F	84	1,400x560x595
RAHT80	8.10	286	2.05	G 2 BSP-F	132	1,500x710x775
RAHT100	10.50	371	2.45	G 2 BSP-F	138	1,500x710x775

CAPS CORRECTION FACTORS

Pressure Dewpoint	3	5	7	10	-	-	-
Correction Factor	0.78	0.90	1.00	1.12	-	-	-
Inlet Air Temperature (°C)	60	70	80	90	100	-	-
Correction Factor	1.23	1.11	1.00	0.88	0.77	-	-
Ambient Air Temp (°C)	25	30	32	35	40	45	50
Correction Factor	1.10	1.03	1.00	0.95	0.88	0.82	0.76
Inlet Air Pressure (Bar g)	4	5	7	8	10	12	14
Correction Factor	0.77	0.86	1.00	1.05	1.14	1.21	1.27

DESICCANT COMPRESSED AIR DRYERS

High-quality, robust desiccants form the basis for cost-effective, efficient and stable absorption drying. Heatless adsorption dryers are filled with robust, durable and high-grade drying molecular sieve desiccant.

With its large specific surface and high drying capacity, molecular sieve ensures a stable and low pressure dew-point down to -70°C .

This results in long, energy-saving cycle times.

Molecular sieve also has the special ability to achieve stable and low pressure dew-points even under conditions that are unfavourable for desiccant, e.g. in the case of low moisture input due to an upstream refrigeration dryer.

All adsorption dryers are filled with a 2-layer desiccant bed, i.e. with an additional water resistant silica gel WS safeguard layer at the inlet of the desiccant filling.

This reliably prevents degradation of the desiccant caused by liquid water and ensures continuous, stable operation of the adsorption dryer as well as long service life of the desiccant.

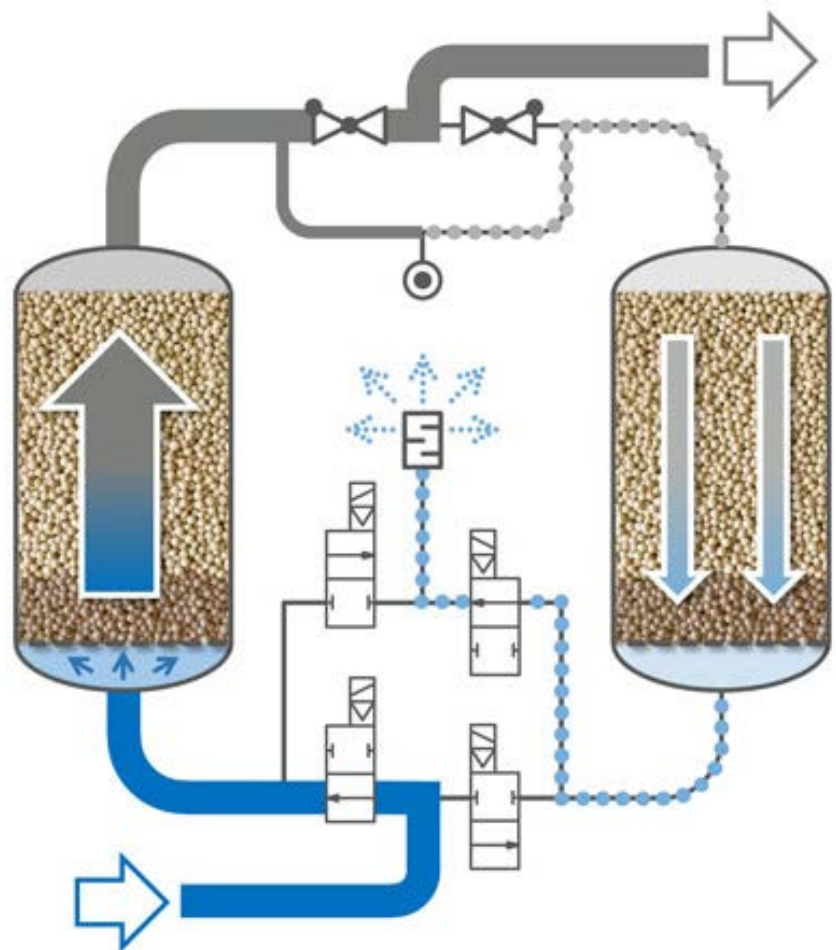
HOW IT WORKS

Regeneration from top to bottom prevents turbulence of the upper, loose desiccant during depressurisation. This considerably reduces desiccant abrasion and development of dust during regeneration.

During regeneration, moisture stored in the desiccant, is removed from top to bottom in reverse flow to adsorption via the bottom, wet and water resistant area at the inlet of the dryer (reverse flow principle).

This creates a highly regenerated layer of desiccant at the outlet of the dryer, which ensures a stable and low pressure dew-point for the next switch-over.

The reduced desiccant abrasion and the discharge of moisture via the water resistance area also extends the service life of the desiccant and thus the performance stability of the entire adsorption dryer.



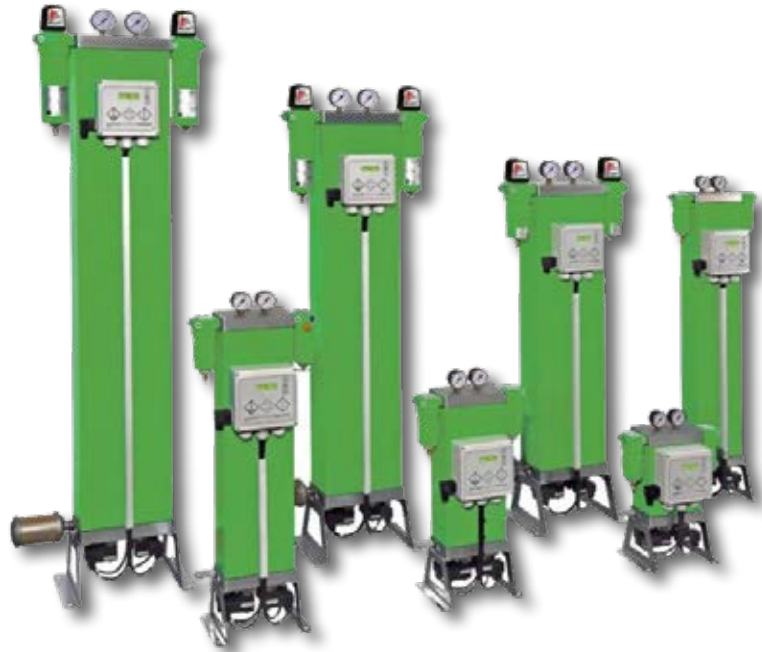
CAPS DPS 1-8 SERIES

KEY FEATURES

- Loose desiccant filling
- Easy, environmentally friendly and cost effective maintenance
- Molecular sieve desiccant
- Stable Pressure dew points down to -70°C
- 2 layer desiccant bed which extend service life
- Dew point depended control is standard for energy efficient operation
- CI control unit

OPERATING CONDITIONS

- Type of regeneration: Heatless
- Pressure dew-points: -25°C / -40°C / -70°C
- Volume flow rate: 0.13m³/min to 1.37m³/hmin
- Maximum inlet temperature: 50°C
- Maximum inlet pressure: 16Barg



DPS 1-8 SERIES TECHNICAL DATA

Model	Flow Capacity		Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m³/min	cfm			
DPS1-H	0.13	4.60	3/8" BSP	11	450x312x185
DPS2-H	0.25	8.82	3/8" BSP	15	625x312x185
DPS3-H	0.42	14.80	3/8" BSP	20	875x312x185
DPS4-H	0.58	20.48	3/8" BSP	25	1,125x312x220
DPS6-H	0.96	34.00	1/2" BSP	45	1,180x484x220
DPS7-H	1.20	42.00	1/2" BSP	54	1,405x484x220
DPS8-H	1.37	48.00	1/2" BSP	62	1,605x484x220

CAPS CORRECTION FACTORS

Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	14
Correction Factor	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88
Inlet Air Temperature (°C)	25	30	35	40	45	50	-	-	-
Correction Factor	1.00	1.00	1.00	0.97	0.87	0.80	-	-	-

CAPS DPS 10-100 SERIES

KEY FEATURES

- Pressure vessels made in Germany
- Easy, environmentally friendly and cost effective maintenance
- Molecular sieve desiccant
- Stable Pressure dew points down to -70°C
- 2 layer desiccant bed which extend service life
- Dew point depended control is standard for energy efficient operation
- CI control unit

OPERATING CONDITIONS

- Type of regeneration: Heatless
- Pressure dew-points: -25°C / -40°C / -70°C
- Volume flow rate: 1.83m³/min to 16.67m³/hmin
- Maximum inlet temperature: 60°C
- Maximum inlet pressure: 16Barg



DPS 10-100 SERIES TECHNICAL DATA

Model	Flow Capacity		Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m³/min	cfm			
DPS10-H	1.83	64	1" BSP	126	1,460x675x515
DPS15-H	2.50	88	1" BSP	142	1,700x675x515
DPS20-H	3.33	117	1" BSP	180	1,720x675x515
DPS25-H	4.33	153	1" BSP	220	1,735x675x515
DPS30-H	5.33	188	1-1/2" BSP	250	1,830x745x555
DPS40-H	6.83	241	1-1/2" BSP	280	1,840x755x570
DPS60-H	9.83	347	1-1/2" BSP	355	1,870x775x600
DPS80-H	12.83	453	2" BSP	470	2,045x1,045x715
DPS100-H	16.67	588	2" BSP	560	2,060x1,050x750

CAPS CORRECTION FACTORS

Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	14
Correction Factor	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88
Inlet Air Temperature (°C)	25	30	35	40	45	50	55	60	-
Correction Factor	1.00	1.00	1.00	0.97	0.87	0.80	0.64	0.51	-

CAPS DPS 210-630 SERIES

KEY FEATURES

- Pressure vessels made in Germany
- Easy, environmentally friendly and cost effective maintenance
- Molecular sieve desiccant
- Stable Pressure dew points down to -70°C
- 2 layer desiccant bed which extend service life
- Dew point depended control is standard for energy efficient operation
- CI control unit

OPERATING CONDITIONS

- Type of regeneration: Heatless
- Pressure dew-points: -25°C / -40°C / -70°C
- Volume flow rate: 20m³/min to 104.8m³/hmin
- Maximum inlet temperature: 60°C
- Maximum inlet pressure: 14Barg



DPS 210-630 SERIES TECHNICAL DATA

Model	Flow Capacity		Inlet/Outlet Connections (inches)	Weight (kg)	Dimensions (mm)
	m ³ /min	cfm			
DPS210-H	34.7	1,224	DN65 - PN16	960	2,100x1,620x745
DPS290-H	48.8	1,724	DN80 - PN16	1,520	2,200x1,900x855
DPS370-H	61.7	2,178	DN100-PN16	2,000	2,340x2,070x950
DPS510-H	84.7	2,990	DN100-PN16	2,450	2,600x2,220x1,030
DPS630-H	104.8	3,702	DN125-PN16	2,900	2,820x2,420x1,100

CAPS CORRECTION FACTORS

Inlet Air Pressure (Bar g)	6	7	8	9	10	11
Correction Factor	0.88	1.00	1.13	1.25	1.38	1.50
Inlet Air Temperature (°C)	25	30	35	40	45	50
Correction Factor	1.00	1.00	1.00	0.97	0.87	0.80



WHEN SHOULD YOU USE A DESICCANT AIR DRYER?

As a minimum requirement for a compressed air system, the pressure dew point should be 10°C below the lowest expected ambient temperature. Where the system is operated in a heated room at 15 to 20°C, this can normally be achieved by installing a refrigeration dryer, as such dryers can keep the pressure dew point as low as 3°C.

To meet the specific processing requirements for the production of drugs and foodstuff, operators need lower pressure dew points. The most efficient solution are desiccant dryers that is capable of achieving pressure dew points of -20 to -70DegC.

MEMBRANE COMPRESSED AIR DRYERS

Membrane dryers with an integrated nanofilter are the innovative solution for efficient filtration and drying in one housing. It offers reliable compressed-air drying with low purge air demands, requires no electric energy and contains no environmentally harmful desiccants.

CAPS selected the BEKO DRYPOINT® M PLUS as the best solution on the market for his high quality and energy efficiency. This high-capacity DRYPOINT® M PLUS is even suitable for the processing of breathing air and reach the requirements of ISO8573-1 for compressed air.

BEKO DRYPOINT® M PLUS

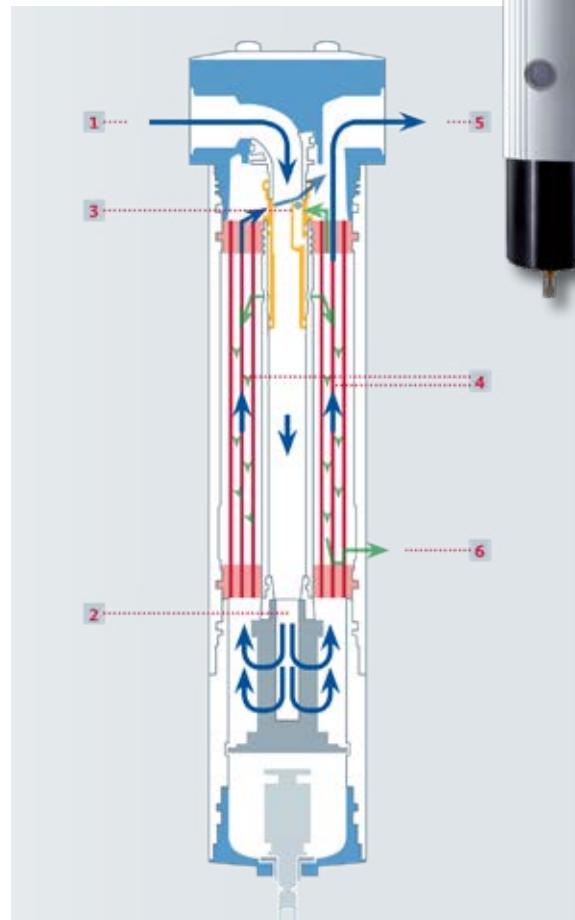
In the DRYPOINT® M PLUS compressed air membrane dryer, the air is dried according to the physical principle of the partial vapour pressure compensation of water vapour through diffusion.

This is particularly efficient and energy-saving thanks to the patented TWIST 60 technology of BEKO TECHNOLOGIES. The special winding method of the fibres in the membrane element leads to optimum flow conditions at a lower construction height and reduces the purge air demand.


The filter element directly upstream of the hollow-fibre membranes offers effective protection against aerosols and particles.

HOW IT WORKS

- 1) The compressed air flows into the core tube of the membrane dryer.
- 2) In the filter element, it is diverted; filtered compressed air enters the hollow fibres of the membrane element.
- 3) The purge air required for drying is continuously diverted in the outlet zone of the membrane element and is atmospherically expanded through a defined nozzle opening. This purge air is significantly drier due to the expansion, as the humidity contained in the compressed air is now distributed to a multiple of volume. The dry purge air is led via the outside of the membrane fibres.
- 4) Two air flows with different moisture contents move in a reverse current through the membrane element, only separated by the membrane wall. The humid compressed air flows in the hollow fibre membranes, and the dry purge air flows outside. As a result of the different moisture contents, the humidity diffuses from the compressed air into the purge air.
- 5) The dry compressed air leaves the membrane element.
- 6) The humid purge air is released into the environment.



FILTERS, SEPARATORS & CONDENSATE DRAINS

A black and white photograph of industrial compressed air treatment equipment. In the foreground, there are two large vertical cylindrical filters or separators mounted on a metal frame. To their left, a smaller unit is labeled 'SEPREMIUM 20'. Various pipes, valves, and gauges are visible throughout the system. The background shows a building with a corrugated metal roof. A large red arrow graphic points from the left towards the equipment. On the right side, there is a red rectangular area containing white text.

Compressed air is a powerful and versatile energy source. Compressed air also contains contaminants from the surrounding atmosphere and from the compression process. It is estimated that an average of 140 million dirt particles is found in a cubic metre of air.

80% of these contaminants are so small they will pass through your compressor's intake filter and find their way to process line to either cause frequent expensive downtimes of your pneumatic equipment or adversely affect the quality of your end products.

This is why it makes sense to incorporate compressed air treatment into your compressed air system.

WATER SEPARATORS

CENTRIFUGAL SEPARATION TO REMOVE UP TO 99% OF WATER AEROSOL IN COMPRESSED AIR

Compressed air is normally saturated with moisture in the form of water vapour as well as aerosol, and this needs to be removed to prevent problems further downstream at the point of application.

CAPS' water separator is specially designed based on a proven centrifugal separation that removes up to 99% of the water aerosol in compressed air.

Working in conjunction with other compressed air treatment products like filters, after coolers and dryers, the water separator is a very cost effective way of further enhancing their efficiency by ensuring that bulk water generated in the compressed air is properly separated and discharged from the system.

FEATURES & ADVANTAGES

- Removes up to 99% bulk water
- Very low maintenance cost
- Simple and easy to install
- Efficient automatic drain
- Robust aluminium housing

HOW IT WORKS



Vortex generator - vane aerodynamically designed vortex generator vanes for greater efficiency.



Vortex generator - coneconical profile for enhanced vortex effect.



Automatic condensate drain efficiently discharge separated water from the system.



Cyclone arrestor special profile designed to improve separator efficiency and prevent re-entrainment of separated water.



CECS-SERIES STANDARD PRESSURE WATER SEPARATORS TECHNICAL DATA

Water Separator Model	Conn Size	Capacity At 7 Bar g			Max Operating Pressure (bar)	Weight (kg)	Dimensions (mm)			
		m ³ /min	cfm	litres/sec			A	B	C	D
CECS012	1/4"	0.60	21	9.91	16	0.98	91	170	26.5	66
CECS018	3/8"	1.25	44	20.83	16	0.98	91	189	26.5	82
CECS025	1/2"	2.84	100	47.33	16	0.98	91	189	26.5	100
CECS041	3/4"	4.52	159	75.33	16	1.10	91	262	26.5	169
CECS062	1"	7.02	247	117	16	3.46	139	252	40	123
CECS112	1 1/4"	11.02	389	183.67	16	3.73	139	355	40	233
CECS177	1 1/2"	18.50	653	308.33	16	4.30	139	457	40	326
CECS343	2"	21.08	744	351.13	16	10.70	190	652	40	521
CECS343-65	2 1/2"	35.58	1249	589.46	16	14.20	190	480	56.5	377

OIL-WATER SEPARATORS

The SEPREMIUM oil-water separators are specifically designed for compressors with mineral & synthetic oil. The SEPREMIUM range of oil/water separators separate oil from condensate, generated by compressed air systems.

It achieves efficient separation by means of directing the condensate through various separation / filtration stages. The first oil adsorbing element has a clever visual indication of the elements' saturation level.

Final separation stages include a second polypropylene element and specially selected activated carbon to polish out the remaining contaminants.

The elements are designed to achieve less than 10 ppm oil residue values at the output stage.



SEPREMIUM OIL-WATER SEPERATORS TECHNICAL DATA

Model	Capacity At 7 Bar g		Max Oil Absorption (litre)	Connection	
	m ³ /min	cfm		Inlet	Outlet
SEPREMIUM 2	2.00	70	1	1/2"	1/2"
SEPREMIUM 2PG	2.00	70	1	1/2"	1/2"
SEPREMIUM 5	5.00	175	5	1/2" (x2)	1"
SEPREMIUM 5PG	5.00	175	5	1/2" (x2)	1"
SEPREMIUM 10	10.00	350	10	1/2" (x2)	1"
SEPREMIUM 10PG	10.00	350	10	1/2" (x2)	1"
SEPREMIUM 20	20.00	750	15	1/2" (x2)	1"
SEPREMIUM 20PG	20.00	750	15	1/2" (x2)	1"
SEPREMIUM 30	30.00	1.050	25	1/2" (x2)	1"
SEPREMIUM 30PG	30.00	1,050	25	1/2" (x2)	1"
SEPREMIUM 60	60.00	2,500	50	1/2" (x2)	1"
SEPREMIUM 60PG	60.00	2,500	50	1/2" (x2)	1"

ACTIVATED CARBON CARTRIDGES

ACTIVATED CARBON OIL VAPOUR ADSORBER

Activated carbon reduces the oil vapour content of the compressed air to minimum residual levels. Oil vapour is the second largest vapour phase in compressed air and, like moisture, is highly likely to condense - in the case of oil vapour it condenses to form liquid oil.

High-grade removal of oil vapour using an activated carbon oil vapour adsorber reliably prevents condensation processes during cooling of compressed air and thus the formation of liquid oil. In addition, activated carbon oil vapour adsorbers remove a variety of other hydrocarbons, odours and flavours.

FEATURES & ADVANTAGES

- Perfect for point of use oil vapour absorber (without liquid contaminants)
- Reduce oil vapour content (nominal) to $\leq 0.003\text{mg/m}^3$
- Much higher amounts of activated carbon granule compared to same size filter elements for long service interval
- Integrated post filter to capture any loose carbon dust
- Optional oil indicator to provide service warning

GENERAL INFORMATION

- Rating is based on 20°C Inlet, 3°C PDP & 700 kPa(g).
- Maximum operating parameters: Pressure = 4 to 16Barg, Inlet temperature 45°C
- Please ensure the inlet compressed air dew point is 3°C PDP or below



FCA SERIES ACTIVATED CARBON CARTRIDGE TECHNICAL DATA

Filter Model	Conn Size	Capacity At 7 Bar g			Max Operating Pressure (bar)	Weight (kg)	Dimensions (mm)				Qty
		m³/min	cfm	litres/sec			A	B	C	D	
FCA50CAM	1/2"	1.17	41	19	16	1	87	183	21	83	1
FCA70CAM	1/2"	1.67	59	27	16	1.5	87	253	21	152	1
FCA95CAM	1"	2.67	94	44	16	4.1	130	289	43	132	1
FCA110CAM	1"	4	141	66	16	4.5	130	387	43	232	1
FCA120CAM	1-1/2"	3.47	122	57	16	5	130	487	43	332	1

CAPACITY CORRECTION FACTOR FOR VARIOUS OPERATING PRESSURE

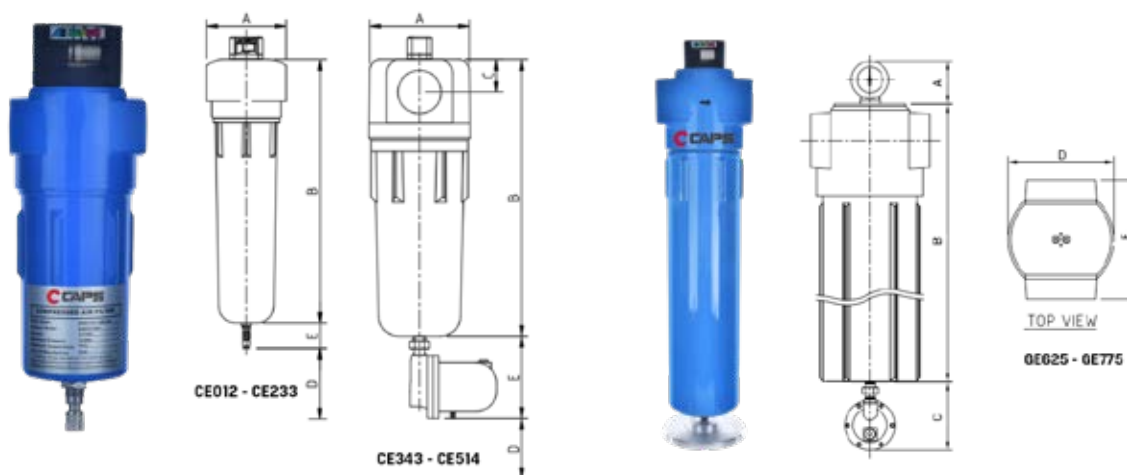
Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	14
Correction Factor	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88
Inlet Air Temperature (°C)	25	30	35	40	45	-	-	-	-
Correction Factor	1	1	1	0.94	0.92	-	-	-	-

INLINE FILTERS

HIGH EFFICIENCY FILTRATION FOR CLEAN AND TECHNICALLY OIL-FREE COMPRESSED AIR

Compressed air contains contaminants from the surrounding atmosphere and from the compression process. It is estimated that an average of 140 million dirt particles are found in a cubic metre of air.

80 percent of these contaminants are so small they will pass through your compressor's intake filter so it makes sense to incorporate compressed air treatment into your system.



CE-SERIES FILTERS TECHNICAL DATA

Filter Model	Conn Size	Capacity At 7 Bar g		Max Operating Pressure (bar)	Weight (kg)	Dimensions (mm)				
		m³/min	cfm			A	B	C	D	E
CE012	1/2"	0.78	27	16	1.2	91	170	27	66	44
CE018	1/2"	1.08	38	16	1.2	91	189	27	100	44
CE025	1/2"	1.49	53	16	1.2	91	189	27	100	44
CE041	3/4"	2.49	88	16	1.6	91	261	27	169	44
CE062	1"	3.73	132	16	3.8	138	249	40	123	44
CE112	1 1/4"	6.73	237	16	4.2	138	354	40	233	44
CE177	1 1/2"	10.62	375	16	4.6	138	455	40	326	44
CE233	1 1/2"	13.99	494	16	6.4	138	653	40	521	44
CE343	2"	20.60	727	16	14.2	188	480	57	377	140
CE514	2 1/2"	30.87	1,099	16	16.4	188	660	57	541	140

GE-SERIES FILTERS TECHNICAL DATA

Filter Model	Conn Size	Capacity At 7 Bar g		Max Operating Pressure (bar)	Weight (kg)	Dimensions (mm)				
		m³/min	cfm			A	B	C	D	E
GE625	3"	37.5	1,324	16	20	91	903	145	225	253
GE775	3"	46.62	1,645	16	27.5	91	1,053	145	225	253

F SERIES FILTERS TECHNICAL DATA



Filter Model	Conn Size	Capacity At 7 Bar g		Max Operating Pressure (bar)	Weight (kg)	Dimensions (mm)			
		m³/min	cfm			A	B	C	D
F870	DN100	52.32	1,847	16	108	500	1,440	230	550
F1300	DN100	78.48	2,770	16	110	500	1,440	230	550
F1745	DN150	104.7	3,695	16	151	640	1,590	280	550
F2615	DN150	156.96	5,540	16	212	790	1,660	300	550

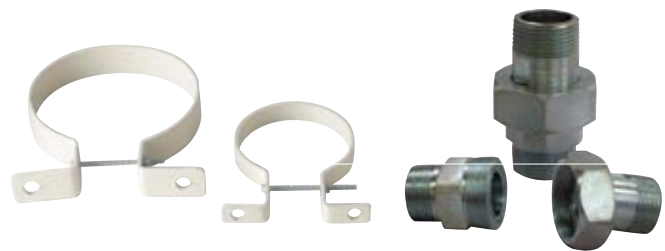
FILTER GRADES

Filter Grade	Particle Removal Down To	Oil Removal Down to	Nominal Initial Pressure Drop
P	3 micron	-	0.03 bar g
U	1 micron	0.1mg/m³	0.05 bar g
H	0.01 micron	0.01mg/m³	0.09 bar g
C	-	0.003mg/m³	0.10 bar g

- Maximum recommended operating temperature = 80°C
- Minimum recommended operating temperature = 1°C
- Maximum recommended pressure differential for element change is 0.6 bar (except Grade C)
- CE & GE Series = aluminium housing, F Series = carbon steel housing
- Filters come complete with differential pressure gauge included

OPTIONS

- Filter / moisture separator mounting kits
- Connection kit for filter / moisture separators
- Optional differential gauge with voltage free alarm contact
- Please contact CAPS for further information on other options



CAPACITY CORRECTION FACTOR FOR VARIOUS OPERATING PRESSURES

PRESSURE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FACTOR	0.25	0.38	0.5	0.65	0.75	0.88	1.0	1.13	1.25	1.38	1.50	1.63	1.75	1.50	2.00	2.13

- Maximum recommended operating temperature = 80°C
- Minimum recommended operating temperature = 1°C
- Nominal differential pressure of 0.03 barg
- Water separators come complete with autodrain

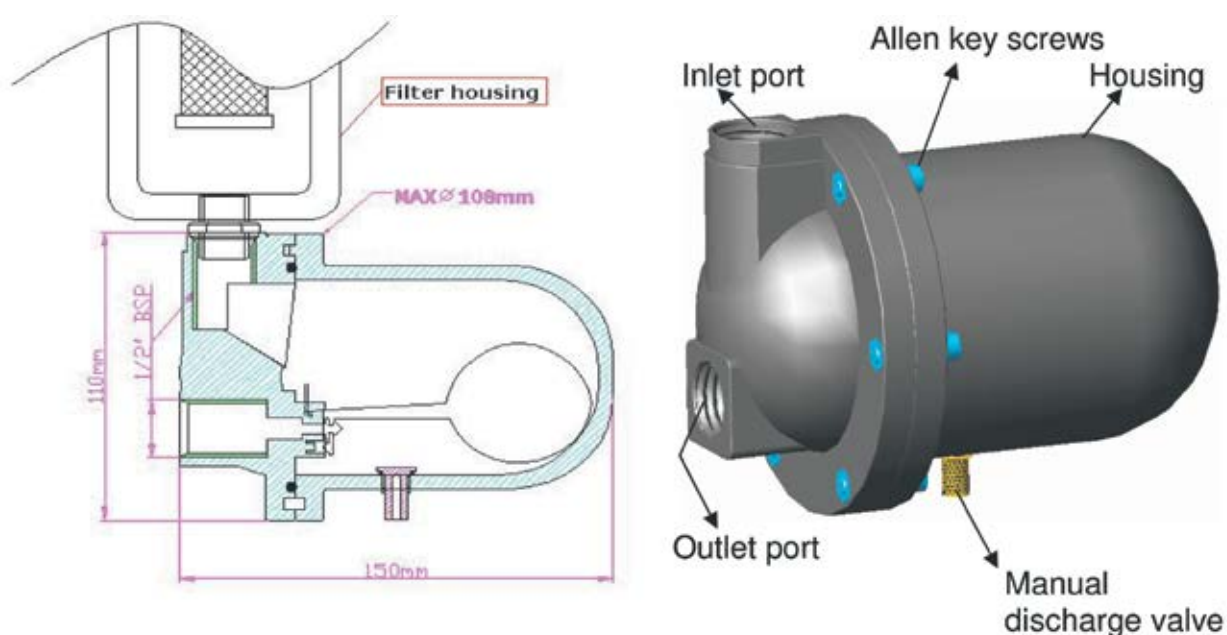
FLOAT DRAINS

- **No electricity required**
- **Most economical**
- **Simple, yet effective**

How it works

Water and contamination accumulates in the bottom of the bowl, and causes the lifting of the float. The air pressure in the bowl will then vent to atmosphere through the opening, blowing the water and debris from the bowl as it does. When the accumulated water is gone, there's nothing left to "float" the valve, and it drops back into the orifice, sealing off the exit from the bowl.

The air pressure in the bowl will keep that drain hole sealed until such time as the water overcomes the air pressure by lifting the float, and the cycle repeats.



TECHNICAL DATA

EAD416	
Inlet port size	Female
Outlet port size	Female 1/2" BSP
Maximum pressure	16 barg
Body material	Die cast aluminium
Seal ring material	NBR
Maximum temperature	80 °C
Open time	Depends on condensate in system
Close time	Depends on condensate in system
Voltage available	Not applicable

TIMER AUTO DRAINS

- Available in a variety of sizes
- Comes in a variety of voltages
- Works at specifically timed intervals

How it works

Timer auto drains work on the principle of a timer, releasing condensate from your air receiver at manually-adjustable, specific-timed intervals.



TECHNICAL DATA

EAD230V16B14 - EAD230V16B38 - EAD240V16B12 - EAD24V16B12	
Maximum system capacity	Unlimited
Valve connection options	1/2", 3/8" and 1/4" BSP and NPT
Min/Max system pressure	0/16 bar
Min/Max medium temperature	2/50 °C
Valve orifice	4.0 mm
Operating valve type	Direct acting
Valve seals	FPM (Viton)
Installation enclosure	IP65 / NEMA4
Voltage range options	24 to 230 VAC / DC 50 / 60 Hz.
Time cycle range (ON - OFF)	0.5 / 10 seconds - 0.5 / 45 minutes

DRAIN ALL

- **No electricity required**
- **Is a zero loss drain**
- **Specific models are available that can handle rust, high corrosion environments or high pressure.**
- **Clear body allows you to monitor the amount of condensate in your system**
- **Suitable for a range of compressed air ancillaries including inline filters, drop down lines, receivers and dryers**

TECHNICAL DATA

Max liquid temp = °F (°C)	170 (76.7)
Max liquid pressure = PSIG (BARG)	170 (11.7)
Control air minimum = PSIG (BARG)	40 (2.8)
Control air maximum = PSIG (BARG)	130 (9.0)
Height = Inches (Centimetres)	11 (27.9)
Width = Inches (Centimetres)	9-1/4 (23.5)
Depth (inlet to ball valve) = Inches (Centimetres)	10-1/2 (26.7)
Inlet/outlet = Inches NPT	1/2
Control air = Inches NPT	1/4
Balance line = Inches NPT	1/8
Maximum flow at 100 PSIG = GPM	3
Weight pounds = (KG)	21 (9.5)



HOW IT WORKS

The Drain All is a sophisticated solution, with a smart mechanism that maintains a fluid level, which once it reaches that level, releases condensate into an outlet.



Condensate enter the collection chamber and starts raises the float, which has an internal magnet. Once float reaches its upper position, the float magnet repels the inner magnet and open the flow control valve for the actuating cylinder, which open the 1/2" full bore outlet valve.

As the condensate discharge out of the collection chamber, the float will lower and decouple from the inner magnet.

This shut the outlet ball valve while there is still a small amount of condensate within the collection chamber to prevent any loss of compressed air and the cycle continue.

ZERO LOSS DRAINS

Could save you hundreds of dollars off your yearly compressed air costs, with no wastage of compressed air.

- **Requires electricity**
- **Comes in variety of sizes**
- **Suitable for a range of compressed air ancillaries including inline filters, drop down lines, receivers and dryers**
- **Built-in digital alarm**

HOW IT WORKS

Zero loss drains have a reservoir that has a capacity sensor that identifies the amount of fluid; once it reaches its preset level, it opens. It will shut before any compressed air is lost.



ESD SERIES TECHNICAL DATA

Model	Compressor Aftercooler (m³/h)	Refrigeration Dry (m³/h)	Filter ² (m³/h)	Maximum Working Pressure (bar)	Temperature Range (°C)	Connections (Inches)
ESD 100	180	360	1,800	16	1 - 60	G 1/2
ESD 333	600	1,200	6,000	16	1 - 60	G 1/2
ESD 1000	1,800	3,600	18,000	16	1 - 60	G 1/2
ESD 5277	9,500	19,000	95,000	16	1 - 60	G 1/2

1. Referred to 1 bar and 20°C at 7 bar working pressure, suction air compressor 25°C at 60% RH, air discharge temperature aftercooler 35°C, pressure dew-point refrigeration dryer 3°C.

2. Condensate from aftercooler or refrigeration dryer to be drained upstream only for residual oil content or small quantities of condensate. Standard version with BSP thread for 230V/50-60Hz supply voltage. Alternative versions with NPT thread or 115V/50-60Hz or 24V/50-60Hz are available.

WATERHOG DRAINS

Waterhog doesn't require any electrical power. Magnetic level sensing, which shut before any compressed air is lost. This drain could save you hundreds of dollars off your yearly compressed air costs, with no wastage of compressed air. The large 1/2" ball valve open fully, allows an uninterrupted condensate flow – the largest orifice drain in the market.

FEATURES

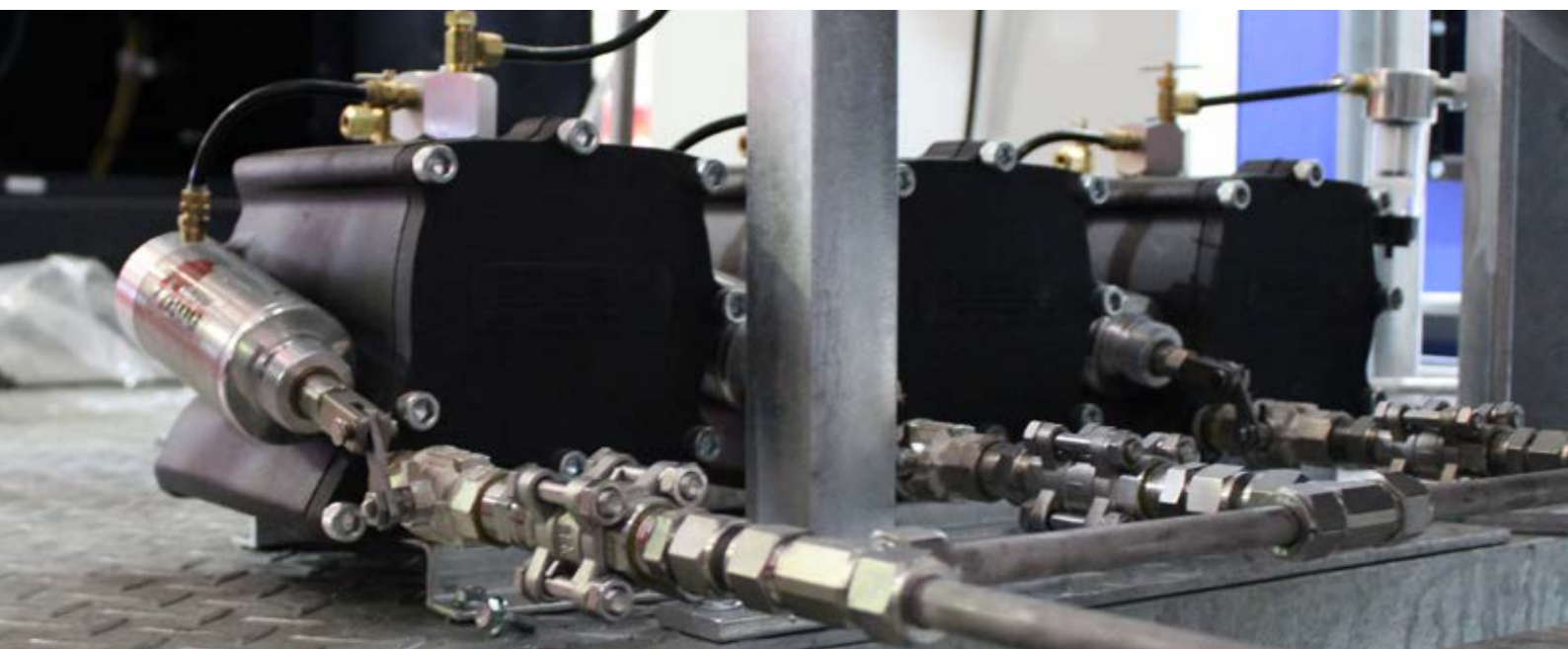
- **Powers through condensate buildup:** Ideal for compressor applications up to 75 kW / 100 hp (14m³/min or 500 SCFM)
- **Fully automatic operation:** No timer or manual settings.
- **No electrical connections:** Waterhog is powered by compressed air, avoiding the need for electrical wirings and connections
- **Energy saving operation:** Zero compressed air loss*. It pays for itself when replacing open condensate drain valves or timer traps.
- **Low profile:** The 12cm / 4.7" vertical operating height allows to fit where other large units cannot.



LH50 SERIES TECHNICAL DATA

Model	Conn Size	m ³ /min	cfm	Max Operating Pressure (bar)	Temperature Range (°C)	Weight (kg)
LH50-OLAAA	1/2" NPT	14	500	13.5	76	6
LH50-OLAAA_Kit*	1/2" NPT	14	500	13.5	76	6

* OEM installation kit is inclusive of - needle valve / elbow fitting / straight fitting / 6' of 1/4" tubing / control air filter assembly.



PRESSURE SAFETY VALVES

Pressure Safety Valves are a mandatory requirement for all pressure vessel under the Australian and International Standards. A PSV shall be selected based on its application and operating conditions.

Pressure relief valves are used to protect compressed air systems from over-pressurization. They are factory set to a non-adjustable pressure setting, at which point the valve will release system air to atmosphere.

CAPS have a full range of PSV to suit all type of installation.

SV SERIES TECHNICAL DATA

Model	Connections (Inches)	Max Capacity (m ³ /min)	Set Pressure (kPag) ²
SV06/CERT-Q	1/4" (DN8)	3.7	AS PER YOUR REQUIREMENT
SV15/CERT-Q	1/2" (DN15)	7.9	
SV20/CERT-Q	3/4" (DN20)	17.0	
SV25/CERT-Q	1" (DN25)	34.0	
SV40/CERT-Q	1-1/2" (DN40)	82.0	
SV50/CERT-Q	2" (DN25)	123.0	



DID YOU KNOW?

Australian Standard AS 1271-2003 defines the design, manufacture, import and supply of safety valves for pressure vessels.

For safety reasons those safety valves must be certified by a registered body to comply with this standard.

All CAPS pressure Safety Valves complies with AS 1271-2003 standard.

24/7 RAPID RESPONSE NATIONWIDE SUPPORT

10 BRANCHES SERVICING ALL AUSTRALIA



AUSTRALIA WIDE

With our extensive network of branches and regional service locations, CAPS can service anywhere in Australia.

From the metro area through to a remote mine-site, we have you covered with experts located all around Australia.

SPARE PARTS

A complete range of spare parts and accessories to help you get the most out of your industrial equipment.



HIGHLY TRAINED TECHNICIANS

Enjoy the peace of mind of having an expert at your doorstep. **Their knowledge is continually updated**, and they have the model by model knowledge to fix your generator first time, every time.

Whether you have one generator or have complex systems with multiple pieces of equipment, **our technicians will give you the advice you need to ensure continuous operation.**

PREVENTATIVE MAINTENANCE

We're always aiming to help you to **reduce operating costs and interruptions to your production.** Our factory-authorised programs include routine inspections, condition monitoring and the use of sophisticated diagnostic equipment to identify any potential problems before they impact you.

SAFETY COMPLIANCE

Safety is a core value of CAPS and our goal is never to put people, plant or the environment at risk. You can be confident that our technicians will be **completely compliant to any site specific safety requirements** you have.

NATIONAL HIRE

LONG TERM AND SHORT TERM HIRE AVAILABLE

At CAPS, we have a large range of equipment that's suitable for every kind of project.

CAPS check their equipment before every hire to ensure the highest standard of safety and service. When you hire through CAPS you are speaking to experts who can assist you with selecting the right equipment for the job every time.



Hire and you protect your staff, control your costs, avoid depreciation, maintenance and borrowing expenses.

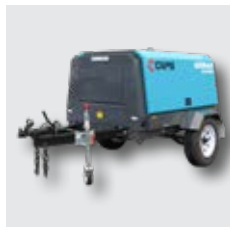
CORE PRODUCTS

AIR COMPRESSORS

ROTARY SCREW



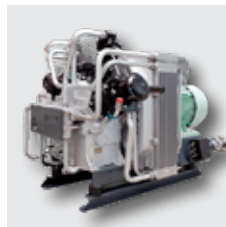
PORTABLE DIESEL



OIL FREE



HIGH PRESS. RECIPS.



SMALL RECIPS.



AIR BLOWERS

ROTARY LOBE



CENTRIFUGAL



GAS GENERATORS & COMPRESSORS

NITROGEN



OXYGEN



OTHER GASES



AIR TREATMENT

AIR DRYERS



AIR RECEIVERS

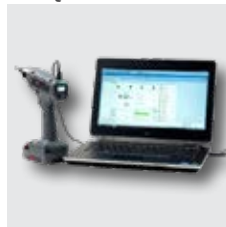


FILTRATION

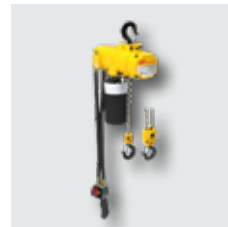


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TORQUE CONTROL



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