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Commercial & General Coolrooms

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ANSELL PROTECTIVE PRODUCTS TRETIGHT INFLATABLE DOCK SEAL

SPECIFICATION

The dock seal is model number 1100S- supplied by Commercial & General Coolrooms and fixed in accordance with their installation instructions.

SECTION 1 – PRODUCT INFORMATION

1.1 TRADE NAME

Tretight

1.2 PRODUCT DESCRIPTION

C&G Coolrooms supply an inflatable Tretight Dock Seal, which effectively keeps out cold, rain and wind when unloading and loading goods. Tretight Dock Seals create a draught-less work environment and prevent products from getting wet and soiled. The Tretight Seal saves energy as heat is prevented from entering cold stores, etc.

Once the vehicle has backed up to the door, it takes an electric fan less than 30 seconds to inflate the Tretight seal, which forms a complete hermetic seal around the vehicle body. The combination of low pressure and flexible material make a highly efficient seal around the sides and roof of the vehicle as well as at the bottom, thanks to inflatable corner sections. The bags are inflated by a three-phase 180W fan. The flexible bag and roller system automatically seal vehicles ranging from 1100mm in height to 700mm in width

The fan operated throughout loading with inflation and deflation taking approximately 40 seconds respectively. ***Note: We use ambient air to inflate bags NOT refrigerated air***.

The bags only come into contact with the stationary vehicle; therefore wear and tear is minimal

The bags automatically seal a range of trucks from 4450mm down to 3350mm in height without need for adjustment.

Model Type: Tretight 1100S, 1100L, 800S

1.3 GENERAL AREA OF APPLICATION

Loading Docks

1.4 PRIMARY SUPPLIER & SOURCE OF FURTHER INFORMATION

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SECTION 2 – GENERAL CHARACTERISTICS

2.1 COMPOSITION

Cushions are made from CHLOROPRENE RUBBER COATED POLYAMIDE fabric for maximum flexibility and wear resistance. The material enables an excellent Tretight fit around the roof and sides of the vehicle. It remains elastic and supple even in cold weather conditions.

All exposed metal parts are either aluminium or hot-dip galvanized steel. Powder coated steel is available to your specifications at an extra cost.

2.2 DIMENSIONS

Model 1100S

Height 3725mm

Width 3250mm

Model	Max		Min	
	Overhead Clearance	Free Space at sides	Vehicle height	Vehicle width
1100S	4550mm	3000mm	3450mm	2300mm

2.3 FINISHES/ COLOURS/ PATTERN(S)/ SPECIES

Black for bags

2.4 TEXTURE(S)

Structure of surface: Smooth

2.5 WEIGHT(S)/ DENSITY(IES)

The total unit including bags, fan etc. weights 115kg

2.6 OTHER GENERAL CHARACTERISTICS

The corner sections make an efficient seal at the bottom between vehicle and wall

SECTION 3 – PERFORMANCE/ DURABILITY

3.1 DURABILITY

Some units are now in use for over 18 years.

3.2 STRENGTH

Breaking Strength: warp min 250kp/ 5cm
weft min 250kp/ 5cm

3.3 CORROSION RESISTANCE

All metal components are made from either aluminium or hot dipped galvanized steel, or for an extra cost, powder coated steel.

3.4 THERMAL PROPERTIES

The black fabric is resistant to low temperatures. The coating must not show cracks where folding it rapidly after 2 hours cooling to -30°C.

3.5 LIGHT

An optional Clearlite roofing material can be supplied.

3.6 ELECTRICAL

The seal is operated by a fan with:
0.25 Horse Power, 3 Phase
Voltage: 380V/220V +/- 10%
Current: 0.52 Amp/0.9 Amp
Power: 180 Watt
Protection: IP54 (acc 2DIN 40050)

3.7 WEATHER RESISTANCE

The seal is not affected by the weather.
The black material has good weather and aging resistance.

3.8 OTHER PERFORMANCE CRITERIA

Good oil resistance

SECTION 4 - APPLICATION/ MAINTENANCE

4.1 PRIMARY AREAS OF APPLICATION

All loading dock or load out area applications

4.2 DESIGN CONSIDERATIONS

On request, Tretight can also be delivered in special design.
We reserve the right to modify the specifications without prior notice.

4.3 INSTALLATION & USE

Complete installation instructions are available from Commercial & General Coolrooms.

The unit is supplied as a complete kitset ready for installation.
Each unit has a three-phase fan mounted in the hood structure

The unit can be attached directly to most wall claddings.

SECTION 5 - INDEPENDENT PRODUCT APPROVAL/EVALUATIONS/WARRANTIES

5.1 APPROVALS OF PRODUCT USE

MAF

5.2 SUPPLIERS GUARANTEE

1 Year

SECTION 6 - ESTIMATING/ORDERING/STOCKISTS/SUPPLIERS

6.1 UNITS OF SUPPLY

Available in single units

6.2 PACKAGING

4 parcels totaling 0.3m²

6.3 DELIVERY FACTORS

Ex stock warehouse Melbourne

SECTION 7 – SOURCES OF FURTHER INFORMATION

7.1 REFERENCES TO FURTHER TECHNICAL INFORMATION- N/A

TRETIGHT MAINTENANCE

It will obviously vary how often this is necessary depending of frequency of use. If unit is not functioning properly please carry out all these checks, otherwise, carry out a check every 6 months. It is important to replace bungee cords (diag. 16) as soon as they wear. Please refer to installation instructions fro diagram numbers.

1. Make sure pulley (diag. 2) is running freely and rope is not worn.
2. Check fan (diag. 10/11) is not restricted by build up of dirt, bird nesting, etc.
3. Check roller is running free
4. Refer (diag. 16) make sure pulley's are running freely and bungee cord is in good condition.
Check when unit is inflated, cord is not too tight and restricting bags
5. Check all bags are still properly connected (diag. 17/18)
6. Check pipe connecting fan to bag (diag. 18) is not resting on roller and restricting its movement
7. Check the rope and top bag (diag. 19) are properly rolling up and bag is not hanging down more than 100mm and rope is rolling up cleanly
8. Check the counter weight is not resting on the bottom of the side bags (diag. 21/22/23). If so, pull weight up and shorten rope enough to lift weight off the bottom of the side bag
9. Use a talcum powder and when inflated liberally dust the top bag on both sides and around tops of the side bag where they rub against each other. This reduces friction during operation.
10. Generally check side and top bags have not come out of the profiles (diag.15/17)
11. Check wear on material connecting between the side and top bag (diag. 25)

If you have any further problems with operations please contact either:

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