

Installation, Surge Channel

AusPress Systems Pty Ltd

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1.0 General Information

AusPress Systems is an Australian owned company who supply high quality pressure and drainage piping systems across Australia and New Zealand. This document is intended as a guide and is to be read in conjunction with the current AusPress drainage catalogues and other technical information. Further information is available from us on request.

1.1 Our Role

AusPress Systems acted as supplier of products for the above mentioned project. All installation, certification and certificates of compliance are performed and issued by others.

Product Supplier:	AusPress Systems Pty Ltd
Address:	PO Box 107, Corunna Avenue, Melrose Park SA 5039
Phone:	1300 287 773
e-Mail:	auspress@auspress.com.au

1.2 AusPress Surge Channel System

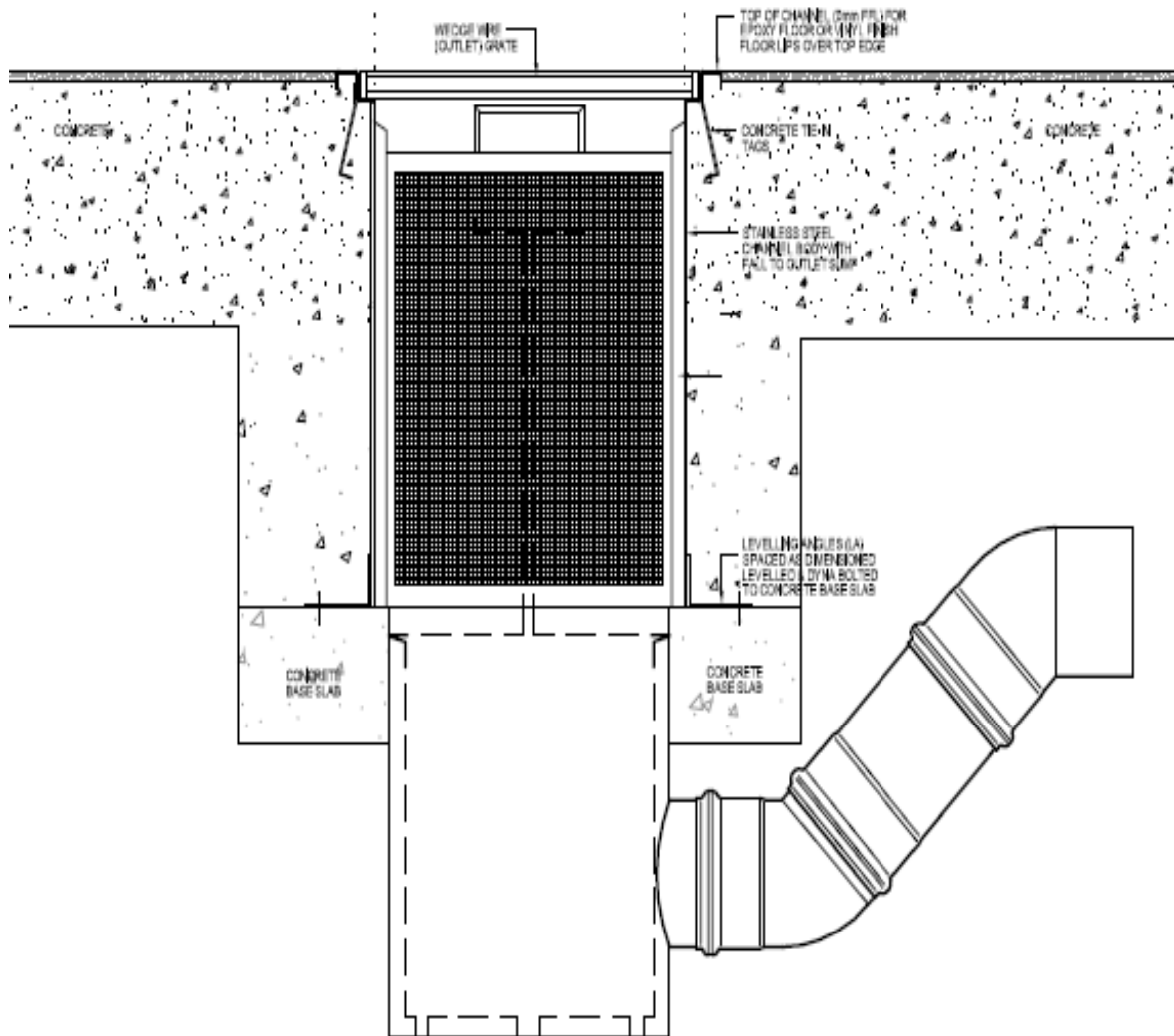
Product Description:	AusPress Channel Drainage is a linear stainless steel channel system with access grates, lint screens & silt baskets incorporated depending on the width and overall length.
Principal Material:	304 or 316 stainless steel, AISI 1.4404
Sizes:	Custom Width: to suit project requirements – contact us.
Outlets:	Spigot: to suit application, horizontal or vertical.
Channel Fall:	Flat bottom – min. 50mm fall
Grates:	Pedestrian Class A load rating, unless otherwise requested.
Specific Modifications:	Channels are manufactured to suit project specific requirements.

1.3 Installing AusPress Surge Channel System

The AusPress Channel drainage is installed by positioning and fixing the channel into place first. Then the accessories and grates fit within the channel prior to use. These instructions are based on common installation situations. If conditions, requirements or situations vary, contact AusPress for advice before installing.

Install Channel:

Common method is used to secure the channel when installing in concrete footings:



SURGE CHANNEL END: OUTLET DETAIL
 AUSPRESS CHANNEL
 1/1

- 1) If the AusPress Channel is being connected to AusPress Stainless, the outlet spigot will push into the Stainless socket connection. For HDPE and PVC, use an expansion socket; for cast iron use an 'Ensign' joining socket.
- 2) Ensure drainage piping is set up at correct height to suit depth of the Channel (refer to technical information for measurements).
- 3) Fold the channel anchor tags out (if supplied).
- 4) Pour a concrete pad to support the Surge Channel.
- 5) Drill and secure through levelling angle to concrete pad, ensure unit is level & to correct FFL height.

- 6) Tie anchor tags to steel reinforcement. This will help prevent movement or floating during concreting and earth the Channel.
- 7) Confirm the Channel is at correct height and is level.
- 8) Cover the Channel opening with plywood to ensure concrete and other foreign matter does not enter during construction.
- 9) Concrete footing is poured.
- 10) After concrete is set, and before final floor finish is applied (eg epoxy coating), fill gap If any) made between channel & concrete pour with an approved polyurethane sealant (such as Sikaflex-11FC) as per manufacturer's instructions and ensuring the product installation procedures are adhered to.

1.3.1 *Installing Grates and Accessories*

- We recommend installing the grates and accessories as part of commissioning to prevent damage during construction.
- Remove any protective covering, only if no damage can occur to the Channel before use.
- Fit the grates and accessories as supplied. If supplied, the filter basket must be positioned above the removable water trap in the outlet.
- Confirm the grating fitted is suitable for the traffic load and application prior to use. Ensure grates fit correctly and no missing Channel segments are left open.

2.0 Commissioning and Maintenance

AusPress products require little maintenance. In most environments, little or no maintenance is necessary.

We recommend installing the grates and accessories as part of commissioning to prevent damage during construction.

Please ensure wash downs or waste types do not contain chemicals that are deemed unsatisfactory on the "Chemical Resistance Table" available from AusPress.

Care is to be taken to prevent scratching to the AusPress Stainless, Channels. Avoid any contact with, grinding and welding sparks, metal shavings, corrosive chemicals or any material or process which may cause failure during construction and also from future maintenance. Ensure that all drains and accessories are properly "dry" cleaned to remove any foreign products from drain bowls etc, before initial wet clean. A visual inspection is recommended if any rust spots appear caused by these foreign products, please ensure these are removed using a scotch bright cleaning pad only, then thoroughly washed out. This process should also be followed after any maintenance once plant is commissioned.

In especially demanding environments, such as food processors, chemical industries and agriculture, it may be necessary to clean to avoid coating that could lead to corrosion later. Cleaning can be carried out with high-pressure cleaning or high pressure flushing equipment.

If installed in locations effected by coastal conditions, a regular cleaning regime is to be implemented.

Where there is heavy coating, plastic or brass tools can be used. With especially persistent coating, diluted citric acid can be used to loosen the deposit. This must be flushed with large quantities of water afterwards. Cleaning of drains, including the emptying of filter basket, is to be performed at least once every shift and when required.

In cases of difficulty, users should consult AusPress for technical advice.

2.1 Commissioning

Systems must be commissioned in accordance with the applicable standards and regulations.

The installation contractor must familiarise the user(s) with the system. This is to be documented with a hand-over and acceptance record.

The user must also be provided with the manufacturer's maintenance and operating instructions for all installed valves and equipment.

3.0 Operation and Maintenance

The user of the system is under an obligation to ensure the system is maintained in a serviceable and safe condition at all times.

The system must be operated in such a way that faults and other factors affecting the reliability of the system are resolved before a hazard or issue occurs.

The user is therefore advised to enter into a maintenance procedure for the lint screens & silt basket or an agreement with an installation contractor for servicing.

4.0 Emergency Procedures

The OHS&W Officer responsible for the area the products are installed shall provide and maintain a work method statement and risk assessment of the specific environment and tasks in accordance to state legislation requirements.

5.0 Warranty

This warranty is issued exclusively to the purchaser of the product as described.

AusPress Systems provides a warranty that the product has been manufactured in accordance with the specifications, and to AusPress standard manufacturing capability and requirements.

The warranty is void if the product has been altered or modified without express permission of AusPress, or where the product is used for other than its intended design purpose.

AusPress provides warranty covering pipes and fittings against failure for use as specified:

- All recommendations provided with and included in this document must be adhered to.
- All installers shall be trained and certified by AusPress prior to commencement of installation or repairs. On-site training is provided free of charge.
- AusPress is not responsible for any installation related failures.
- Only AusPress tools are to be used. All tools must be correctly calibrated and within required date.
- The system use is defined and this has been confirmed as suitable by AusPress and is used for the installation.
- All current installation recommendations, tool operating procedures and technical information available from AusPress must be adhered to.
- Should non-potable water be used, the system must be drained immediately after use and flushed with “fresh potable water” within 24 hours.
- Salt water and/or sea water shall not be used.

Failure to comply with any of above criteria will result in this warranty being voided.

Any variation to this warranty will only be issued in writing by an authorised employee of AusPress.

If after inspection by AusPress and our liability for breach of a condition or warranty of supply is limited in our absolute discretion to, and subject to our prior agreement in writing:

- The replacement of the goods or the supply of equivalent goods
- The repairs of the goods;
- The payment of the cost of replacing the goods or of acquiring equivalent goods; or
- The payment of the cost of having the goods repaired.

No claim under this warranty will be recognised unless:

- Claim is received in writing.
- Payment for the product has been received in accordance with payment terms.
- Full settlement has been received by AusPress.

No claim involving labour charges or product replacement will be recognised by AusPress unless AusPress' agreement in writing is obtained immediately any such problem becomes evident and prior to rectification.

With the exception of those conditions and warranties applied by the Trade Practices Act, or other consumer protection legislation and which may not be excluded, this warranty covers the complete liability of AusPress and all other warranties and guarantees expressed or implied are hereby expressly included so far as is permissible by law and settlement of any claim in accordance with the terms of this warranty shall fully discharge the liability of AusPress as to the fault in the product giving rise to any claim.