

Operating instructions and
specifications for

Squeeze Off Tool

Products by innovation not imitation



Helping you make the right connections™

Models covered by this manual:

Squeeze 16 20 25 32 SDR 11

Squeeze 16/32 40 50 63 SDR 11

Squeeze 20 25 32 40 50 63 SDR 11

Squeeze 20 25 32 40 50 63 90 SDR11/17

Squeeze 63 90 SDR11/17 110 SDR17 125 SDR17

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Specifications.

Materials: Mild Steel EN3A
Stainless Steel
Finish: Yellow and Silver zinc plated (Steel)
Powder coating

Dimensions:

Squeeze 16 20 25 32 SDR 11

(H x W x D) 210mm x 150mm x 55mm

Squeeze 20 25 32 40 50 63 SDR 11

(H x W x D) 275mm x 300mm x 60mm

Squeeze 55 63 75 90 SDR 11

(H x W x D) 350mm x 450mm x 75mm

Squeeze 20 25 32 40 50 63 SDR 11

(H x W x D) 210mm x 150mm x 55mm

Weight:

Squeeze 16 20 25 32 SDR 11 3.0Kg

Squeeze 16/32 40 50 63 SDR 11 4.5Kg

Squeeze 20 25 32 40 50 63 SDR 11 4.5Kg

Squeeze 55 63 75 90 SDR11/17 9Kg

Squeeze 63 90 SDR11/17 110 SDR17 125 SDR17 10.2Kg

Product Code:

Squeeze 16 20 25 32 SDR 11

Squeeze 16/32 40 50 63 SDR 11

Squeeze 20 25 32 40 50 63 SDR 11

Squeeze 55 63 75 90 SDR11/17

Squeeze 63 90 SDR11/17 110 SDR17 125 SDR17

This unit is design and manufactured to meet the requirements of National Grid Gas Industry Standards GIS/PL2-7:2006 Part 7: Squeeze-off tools and equipment.

Caldervale Technology Ltd has a policy of continuous improvement in product quality and design. Caldervale Technology Ltd therefore

reserves the right to change the specification of its models at any time, without prior notice.

Important!

This manual outlines the operation of the electrofusion tooling.

This manual forms a part of the product to which it relates. It should be kept for the life of the product. Any amendments issued by Caldervale Technology Ltd should be incorporated in the text. The manual should be passed to any subsequent holder or user of this product.

General description.

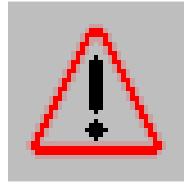
The tool has been designed to limit the flow in P.E. pipe from 16mm to 63mm (dependant on model) SDR11 & SDR17 pipe work in accordance with ***Gas Industry Standard GIS/PL2-7:2006 Squeeze-off equipment.***

Pipe is squeezed using a manually operated threaded 'T-Bar' actuator

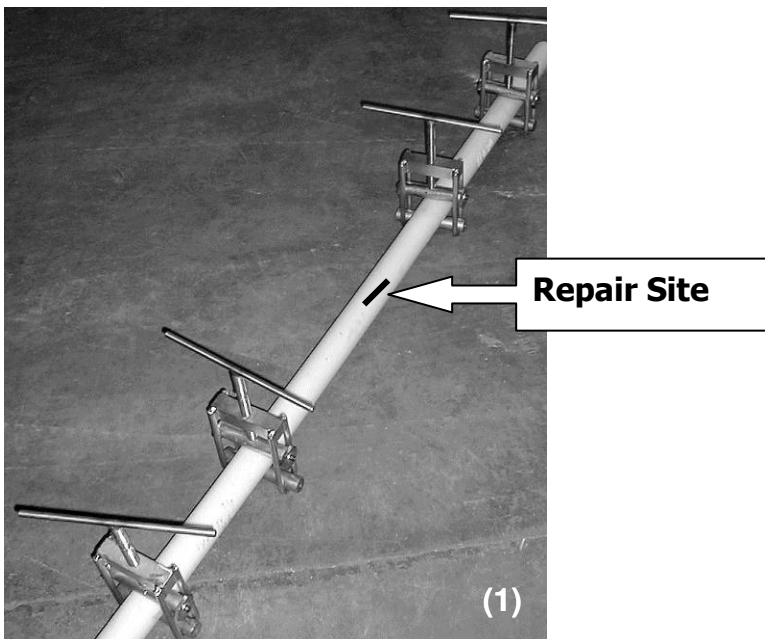
The unit has rotating pre-sized limiting plates that are used to limit the squeeze gap and prevent over compression.

It is the responsibility of the operator to ensure that the PE pipe is suitable for squeeze off application if in doubt contact the PE pipe manufacturer for confirmation

Safety Precautions



1. This tool is designed to be used in conjunction with best practices as stated in ***Gas Industry Standard GIS/PL2-7:2006 Squeeze-off equipment.***
2. It is imperative that all possible precautions are made to avoid unexpected movement of the tool during use.
3. The tool should be used in pairs of 2 per side of the prospective jointing area, spaced accordingly to avoid damage to the pipe, to ensure adequate lock-off of material flow (see illustration (1) below) using 'best practice' procedures (refer to local authority recommendations & pipe manufacturer)



Instructions for use.

Fitting

1. Check Pipe Diameter and SDR ratio. Set both LIMIT PLATES (See Illustration (2) below) to appropriate sizes on all 4 Squeeze-Off Units. The correct orientation is with the required size pointing towards the BOTTOM BAR
2. Remove the BOTTOM BAR from the tools. Place the frames over the pipe to be squeezed, and reposition the BOTTOM BARS ensuring that the pipe is contained between the SQUEEZE BAR and the BOTTOM BAR
3. Wind-down the 'T-Bar' until the LIMIT PLATES just come into contact with the BOTTOM BAR (see illustration (2) below) The pipe is now in a 'squeezed off' condition. Repeat for all units in use

DO NOT ATTEMPT TO TIGHTEN FURTHER OR DAMAGE TO THE PIPE AND THE TOOL MAY OCCUR!



Removal

After repairing/working on pipe, relax the threaded 'T-Bar' on all units gradually to allow pipe to recover and medium to flow. When fully clear of pipe, remove BOTTOM BAR and remove tools from pipe.

Maintenance

Clean Threaded 'T-Bar' screw threads after use, and re-grease/lubricate at regular intervals (after every use)

DO NOT allow dirt, mud or other abrasive material to enter the screw thread! Always wipe-off debris BEFORE tightening/un-tightening threaded 'T-Bar'.

Failure to observe this may affect any warranty claims due to the specific use of this tooling (does not affect statutory rights).



EC DECLARATION OF CONFORMITY

MACHINERY SUPPLIER: Caldervale Technology Limited

SUPPLIER'S ADDRESS: Bretfield Court,
Dewsbury,
WF12 9DB,
UK

Declares that the Machinery described below:

Make: CTL

Product: Maxifuse™ Mechanical Squeeze Tools S1 & similar

Type: 16 20 25 32 SDR 11, 16/32 40 50 63 SDR 11, 20 25 32 40 50 63 SDR 11,
55 63 75 90 SDR11/17 & 63 90 SDR11/17 110 SDR17 125 SDR17

Reference No: 02-31-001, 02-31-004, 02-31-202, 02-31-401 & 02-31-801

Conforms to the following Directives:

98/37/EC Machinery (Safety) Regulations (as amended)

Meets the following standards:

Safety of Machinery

BS EN 12100: 2003, BS EN 982: 1996

Gas Industry Standard

GIS/PL2-7 Squeeze-off tools and equipment

Complies with, or is designed and constructed so far as is possible to comply with the relevant essential health and safety requirements, taking into account the state of the art.

Modifications to the equipment without prior approval by the undersigned will render this Declaration null & void

For and on behalf of the Manufacturer:

Signature: *GL Lilley*

Gordon Lilley – Managing Director (CE Responsible Person)

Signed at: On: (Date)

Signature of this Declaration of Conformity authorises the manufacturer or his authorised representative in the community to affix the CE Mark to the equipment

Certificate of calibration.

- This product has been inspected and tested in accordance with the ISO9001 quality control systems and procedures in place at Caldervale Technology Ltd, Dewsbury.
- This product has no calibration period, periodic, safety inspections should be carried out by the operator if in any doubt please contact the manufacturer for further information

Decommissioning & Disposal Instructions

These give the instructions for decommissioning and disposal of the equipment and confirm how it is to be taken out of service safely, in respect of the Essential Health and Safety Requirements.

- If a Maxifuse™ squeeze tool inclusive of the size ranges 16–125mm has reached the end of its useful working life and cannot be refurbished it must be disposed of through a licensed scrap or waste disposal facility. Alternatively, a reverse engineering company could be used to strip the equipment for recycling purposes.
- Disposal is the responsibility of the Customer this can also be achieved by returning the product back to the manufacturer

Warranty Information.

1. Extent of Warranty.

- (a) Subject to clauses 2 and 3, Caldervale Technology Ltd warrants to the end-user customer that its products will be free from defects in materials and workmanship, for six months after the date of purchase by the end-user customer, subject to providing proof of purchase.
- (b) If Caldervale Technology Ltd receives, during the warranty period, notice of a defect in product which is covered by this warranty, Caldervale Technology Ltd shall either repair or replace the product, at its option. Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced.
- (c) All warranty work will be carried out by Caldervale Technology Ltd unless otherwise agreed. On-site warranty and repair or replacement services are available from authorised Caldervale Technology Ltd service facilities world-wide.
- (d) Customers shall prepay shipping charges for products returned to Caldervale Technology Ltd for warranty service, and Caldervale Technology Ltd will charge for return of the products back to the customer.
- (e) This warranty statement gives the customer specific legal rights. The customer may also have other rights which vary from country to country in the world.

2. Pre-conditions for Warranty Application.

Caldervale Technology Ltd' warranty covers only those defects which arise as a result of normal use of the product, and this warranty shall only apply in the following circumstances:

- (a) All the instructions contained in the operating manual have been complied with;
- (b) None of the following apply:
 - (i) Improper or inadequate maintenance;
 - (ii) Physical abuse;
 - (iii) Unauthorised modification, misuse or any use not in accordance with the operating manual and good industry practice;
 - (iv) Operation outside the products specifications;
 - (v) Improper site preparation or maintenance; and
 - (vi) Faulty pipe.

3. Limitations of Warranty.

- (a) Caldervale Technology Ltd does not warrant the operation of any product to be uninterrupted or error free.
- (b) Caldervale Technology Ltd makes no other warranty of any kind, whether express or implied, with respect to its products. Caldervale Technology Ltd specifically disclaims the implied warranties of satisfactory quality and fitness for a particular purpose.
- (c) To the extent that this warranty statement is inconsistent with the law of the locality where the customer uses the product, this warranty statement shall be deemed modified by the minimum necessary to be consistent with such local law.
- (d) To the extent allowed by local law, the remedies provided in this warranty statement are the customer's sole and exclusive remedies.
- (e) This tool has been designed for the range of pipes available at the time of its design and development. Caldervale Technology Ltd can accept NO liability for the units ability or otherwise to work with new or different pipes that subsequently appear in the market place.

Please complete this information and keep it safely with your proof of purchase receipt. You will require it for any warranty claim.

Where purchased

Date of purchase

Name & address
of purchaser

Type of tool

Serial number

For Service and repair please contact:

Caldervale Technology Ltd

Bretfield Court

Dewsbury

West Yorkshire

WF12 9DB

United Kingdom

Tel: +44 (0)1924 469571

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