




Service Maxi Clamp 20-63mm

Product Code: 01-10-101

Operating Instructions

REVISION: 01



Helping you make the right connections.

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01. Introduction

General Description

The Maxi clamp from Caldertech is a simple clamping solution for small diameter pipe clamping. It is comprised of a main control block which incorporates the handle to close the jaws, and the holding jaws that when attached to the clamp allow pipe to be held steady for electrofusion welding.

The tool is designed to clamp and hold pipe to provide stability and prevent movement primarily for electrofusion purposes with any polyethylene pipe material (new, weathered or previously installed) in accordance with Gas Industry Standards GIS/PL2-5 Part 5 Electrofusion Ancillary Tools.

This product (Maxi Clamp) has been manufactured, inspected and tested in accordance with the ISO9001 quality control systems and procedures in place at Caldervale Technology Ltd, Dewsbury.

Before Using

It is important to ensure all component parts are present and in serviceable condition.

The condition of the tool should be inspected thoroughly prior to use.



Important!

This tool should be used in accordance with the pipe manufacturers' recommendations and in line with local codes of practice.

This manual outlines the operation of the pipe clamping tool for PE pipe and 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.

02. Safety Instructions

1. Read and understand the whole booklet before using the tool.
2. It is imperative that all possible precautions are made to avoid unexpected movement of the tool and pipe during use.
3. Never attempt to operate on pipes that are not within the specified dimensions.
4. Operatives should wear eye protection, gloves, safety headwear & footwear when using the equipment.

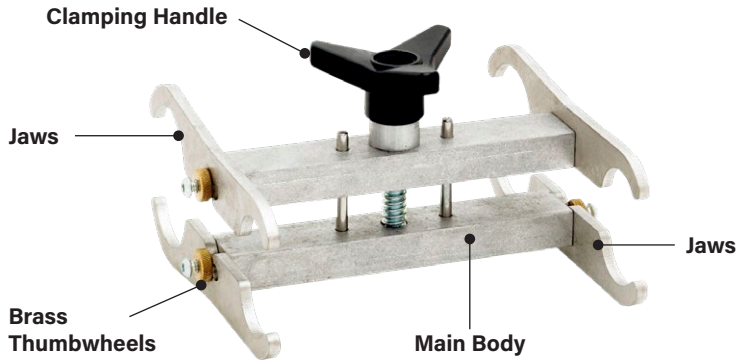
03. Jaw Sets

Jaw sets allow this tool to be used on multiple pipe sizes. Below is a list of our most commonly used jaw sets. Other sizes are available, if you cannot find the size you require please contact us at: www.caldertech.com

Product Code	Description
01-10-102	Service maxiclamp jawset (4 pcs) 25mm x 20mm
01-10-103	Service maxiclamp jawset (4 pcs) 32mm x 20mm
01-10-104	Service maxiclamp jawset (4 pcs) 32mm x 25mm
01-10-105	Service maxiclamp jawset (4 pcs) 40mm x 32mm
01-10-106	Service maxiclamp jawset (4 pcs) 50mm x 32mm
01-10-107	Service maxiclamp jawset (4 pcs) 50mm x 40mm
01-10-108	Service maxiclamp jawset (4 pcs) 63mm x 32mm
01-10-109	Service maxiclamp jawset (4 pcs) 63mm x 40mm
01-10-110	Service maxiclamp jawset (4 pcs) 63mm x 50mm
01-10-112	Service maxiclamp jawset (4 pcs) 75mm x 55mm
01-10-114	Service maxiclamp jawset (4 pcs) 40mm x 55mm
01-10-117	Service maxiclamp jawset (4 pcs) 63mm x 90mm
01-10-118	Service maxiclamp jawset (4 pcs) 110mm x 125mm
01-10-125	Service maxiclamp jawset (4 pcs) ½" CTS x 1" IPS
01-10-126	Service maxiclamp jawset (4 pcs) ½" CTS x ¾" IPS
01-10-127	Service maxiclamp jawset (4 pcs) 1¼" IPS x 2" IPS
01-10-128	Service maxiclamp jawset (4 pcs) 1½" IPS x 2" IPS

04. Operation

Instructions for Use



1. Unscrew the Clamping handle by rotating Anticlockwise.
2. Using the brass thumb wheels on the sides, turn anticlockwise to allow jaws to be inserted.
3. Insert the required jaws for the pipe size to be used.
4. Turn the brass thumbwheels clockwise to tighten and keep the jaws in place.
5. Repeat steps 2 through 4 for each of the brass thumbwheels until all 4 jaws are correct.
6. When all jaws are inserted in the correct orientation the tool is ready to use. Place the correct size pipe between the correct size jaws and turn the clamping handle clockwise to enable the maxi clamp to clamp the pipe required.

NOTE: It is important that the electrofusion service fittings are stored at all times in their protective plastic bags.

IMPORTANT: If the pipe has been coiled then it may be oval. If this is the case, a rounding tool will have to be used first, to make the pipe circular prior to welding the saddle.

Removal

To remove the tool; loosen the clamping handle to allow the jaws to release the pipe.



Storage

IMPORTANT! When not in use always:

1. Ensure the tool is clean and dry before storage.

Routine Maintenance

1. Check for correct movement and operation and lubricate moving parts at regular intervals before using.
2. It is important to ensure all component parts are present and in serviceable condition.

05. Specifications

Materials:	Aluminium / Stainless Steel / Mild Steel / Brass / Plastic
Finish:	Natural
Dimensions:	L. 220mm x W. 115mm x H. 90mm
Weight:	0.47kg
Min pipe Diameter:	20mm
Max pipe Diameter:	63mm
SDR:	All SDR Ratings
Product Code:	01-10-101

This unit is designed and manufactured to meet the requirements of National Grid Gas Industry Standards GIS/PL2-5 Part 5 Electrofusion and Ancillary Tooling.

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.

It is the responsibility of the operator to ensure that the PE pipe is suitable for this clamping system if in doubt contact the PE pipe manufacturer for confirmation.

06. 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's 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; and
- 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;
- vi) Faulty pipes.

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 unit's 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 of purchaser: _____

Address of purchaser: _____

Type of tool: _____

Serial number: _____

07. Service and Repair

This product has no specific calibration period, however periodic safety inspections should be carried out by the operator as specified in this manual, if in any doubt please contact the manufacturer for further information.

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08. Decommissioning and Disposal

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 Environmental, Health and Safety Requirements.

- If a Caldertech Maxi Clamp has reached the end of its useful working life and cannot be refurbished it must be sent to a licensed recycling facility for treatment. That will ensure the waste hierarchy requirements are met
- End of life treatment is the responsibility of the Customer. This can also be achieved by returning the product back to the manufacturer if required.



Certificate of Conformity

This document certifies that the product detailed below fully conforms to the following standard without derogation.

GIS/PL2-5:2018 Electrofusion Ancillary Tools

Product: Maxi Clamp

MARCH 2019



I. Smith
Managing Director



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Notes



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