



User Manual

Hot Tap Drill

Model H

SAMPLE



Table of Contents

Notices.....	3
Warnings	4
About Hot Tapping.....	5
Specifications.....	6
Hot Tap Drill Kit	7
Using the Hot Tap Drill	8
Warranty.....	14
Need help?	14

SAMPLE

Notices

Please read this manual in full and carefully observe the notes and instructions before and during installation, operation and maintenance. The manufacturer cannot be held liable for any damage which occurs as a result of noncompliance with this manual.

Do not tamper with device. Should the device be tampered with in any manner other than a procedure which is described and specified in this manual, the warranty is cancelled and the manufacturer is exempt from liability.

The product is designed exclusively for the described application. Use of this product in conditions not specified in this manual or, contrary to the instructions provided by the manufacturer, is considered an improper handling of the product and will void your warranty. The manufacturer will not be held liable for any damages resulting from improper use of the product.

This manual should be read carefully by relevant personnel and the end user. This manual should be kept with the product and be made available as needed. **Once you install or use the product, you accept that you have read, understood and complied with this manual.**

Compressed Air Alliance endeavours to make the content of this manual correct, but is not responsible for omissions or errors and the consequences caused. In case of any doubts or questions regarding this manual or the product, please contact Compressed Air Alliance.





Warnings

Ignoring the warnings can lead to serious injury and/or cause damage!

When handling, operating or carrying out maintenance on this product, personnel must employ safe working practices and observe all local health & safety requirements and regulations.

Improper operation or maintenance of this product could be dangerous and result in an accident causing damage to machinery or injury or death.

The manufacturer cannot anticipate every possible circumstance which may represent a potential hazard. The warnings in this manual cover the most common potential hazards and are therefore not exhaustive. If the user employs an operating procedure, a type of equipment or a method of working which is not specifically recommended by the manufacturer they must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.

NEVER CHANGE ORIGINAL COMPONENTS WITH ALTERNATIVES.



Compressed Air Safety

Any contact with quickly escaping air or bursting parts of the compressed air system can lead to serious injuries or even death.

- Do not exceed the maximum permitted operating pressure.
- Wear suitable PPE including face/eye and hearing protection
- Do not use pressurised insulation materials or parts.
- Avoid getting hit by escaping air or bursting parts.
- Do not use this product in explosive areas.

About Hot Tapping

A hot tap drill is a universal tool that allows you to manually install a connection point on pressurized or unpressurised pipes.

A typical hot tap requires a:

- the hot tapping drill
- tapping saddle / clamp,
- ball valve.

Hot tapping takes approximately 30-60 minutes, depending on the size of the hole and the pipe material.

Note: Hot tapping can be dangerous and should be performed by experienced technicians only. Care should be taken when using the hot tap drill and appropriate personal protection equipment should be worn.

Compressed Air: The hot tap drill is designed to prevent contamination from the drilling process entering into the pipework when used on pressurized pipework. As the drill bit starts to pierce the pipe, air pressure forces loose particles back through an exhaust chamber in the drill's body where they are captured. This process ensures that no contamination enters the pipework when working on pressurized pipes.

Key Features of the Hot Tap Drill

- Can be operated under pressure
- Maximum operating pressure up to 20 bar (290 psi)
- Innovative structural design to avoid the bit getting stuck or broken
- Maximum drilling depth up to 200 mm (7.87")
- 4 interchangeable drill bit sizes:
 - 13.5 mm / 0.53" & 14.5 mm / 0.57"
 - 15.5 mm / 0.61" & 24.5 mm / 0.96"

Drill Width
47 mm
2"

Drill and Adapter Height
380 mm
15"

Interchangeable Drill Bit Height
170 mm
6.7"



Specifications

Hot Tap Drill Kit			
Drill Depth	Up to 200 mm Up to 7.87"		
Drill Diameters	8.5 & 14.5 & 19.5 & 24.5 mm (interchangeable) 0.33" & 0.57" & 0.77" & 0.96" (interchangeable)		
Corresponding Ball Valves	1/4" & 1/2" & 3/4" & 1"		
Operating Pressure	3 bar 290 psi		
Operating Temperature	-50°C to +200°C -58°F to +392°F		
Drill Bit Material	Cobalt-containing high performance high-speed steel HSS / E		
Main Body Shell Material	Aluminium		
Dimensions	Drill and Adapter	Drill Bit	Socket Wrench
	170 mm x 47 mm x 47 mm 6.7" x 1.9" x 1.9"	170 mm long 6.7" long	250 mm x 60 mm x 45 mm 9.8" x 2.4" x 1.8"
Weight	2.6 kg 5.7 pounds		
Warranty Period	12 Months		