

HTI Temperature control

High temperature



High temperature technology for safe control

Applications

- Temperature control fluids
- Temperature control of moulds on injection presses in the plastics industry
- Temperature control in the metallurgical (die casting, iron and steel), glass, composites, aluminium and magnesium pressure die casting, etc., industries

Designed to withstand high temperatures

The internal design of the HTI coupling, with its double shutoff technology with no internal seal and metal/metal tightness, enables it to resist high temperatures up to 300 degrees.

Safe, robust double-action locking

The coupling is first locked by bayonet, using a quick, simple push/turn action, enabling you to check visually that it is locked, even under severe clogging conditions.

Then two safety levers fasten the bayonet for optimum safety.

This totally reliable technology provides excellent resistance to vibration and pollution ①.

Easy to use

The special design of the HTI ensures it is comfortable to handle and grip for easy coupling ②.

Maintenance-free

The design of the HTI without any seal in the fluid stream means that it does not require any specific maintenance ③.

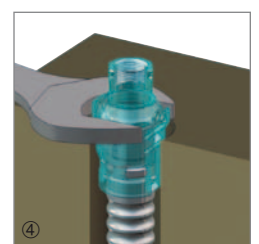
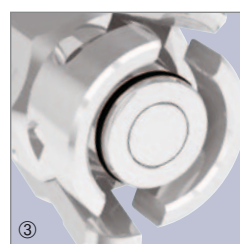
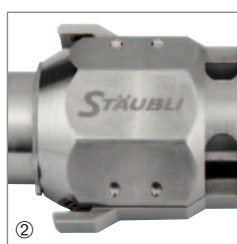
The single seal can be replaced in situ in a few seconds, as often as necessary, giving you continuous tightness at a lower cost.

Easy to install


The tool attachment plug enables the coupling to be installed in places that are difficult to access, a spanner wrench can be used on the body ④.

In addition, a DIN 7603 compliant copper seal* will provide perfect tightness between the coupling and your interface.

* Seal not supplied



Technical data

	HTI 09	HTI 12
Flow diameter (mm)	9	12
Max. working pressure (bar)	12	12
Working temperature when coupled (°C)	0 to + 300	0 to + 300
Working temperature when uncoupled (°C)	0 to + 50	0 to + 50
Shutoff	double	

Tightness

- Fluorocarbon (FPM) seal
- Perfluoroelastomer (FFKM) seal

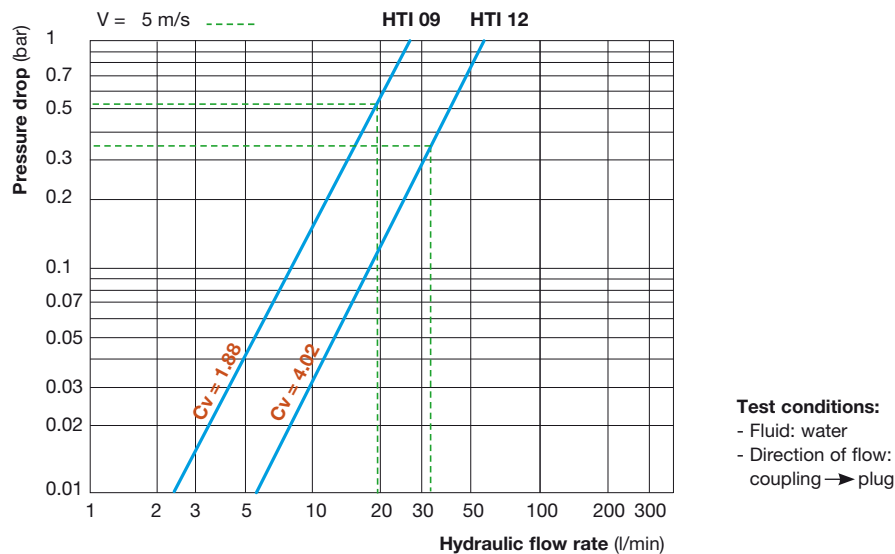
Construction

All stainless steel

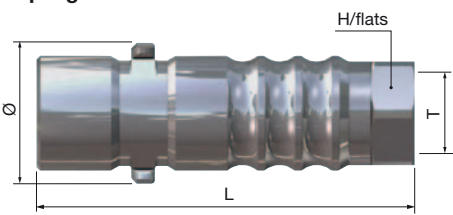
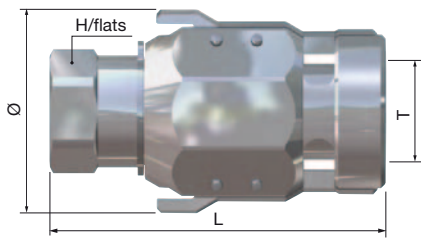
Working temperatures

- Fluorocarbon (FPM) seal, code **JV**: 0 to 300 °C (for a limited time)
- Perfluoroelastomer (FFKM) seal, code **JK**: 0 to 300 °C (for a limited time)

Flow rate/pressure drop hydraulic charts



Part-numbers

Description	Model	Thread T	Dimensions (mm)			Part-number
			Ø	L	H/flats	
1. Coupling with female thread 	HTI 09	G 3/8	32	90	22	HTI 09.1102/IA
	HTI 12	G 1/2	38	102	28	HTI 12.1103/IA
2. Plug with female thread 	HTI 09	G 3/8	45	71,5	22	HTI 09.7102/IA/JV*
	HTI 12	G 1/2	51	83,8	28	HTI 12.7103/IA/JV*

* Fluorocarbon seal (JV) standard. Perfluoroelastomer seal (JK) also available: replace code JV with JK at the end of the part numbers of the plugs.

Belgium

Tel.: +32 (0) 56 36 40 03
connectors.be@staubli.com

Brazil

Tel.: +55 (0) 11 2348 7400
connectors.br@staubli.com

China

Tel.: +86 40066 70066
connectors.cn@staubli.com

**Czech Republic,
Slovakia, Hungary**

Tel.: +420 466 616 125
connectors.cz@staubli.com

France

Tel.: +33 (0)1 69 93 25 00
srf@staubli.com

**Germany, Austria,
Denmark**

Tel.: +49 (0) 921/883 - 0
connectors.de@staubli.com

Hong Kong

Tel.: +852-2366 0660
connectors.hk@staubli.com

India

Tel.: +91 22 282 39 34 / 45
connectors.in@staubli.com

Italy

Tel.: +39 (0) 362/944.1
connectors.it@staubli.com

Japan

Tel.: +81 6 6889 3308
connectors.stkk@staubli.com

North America

(USA, Canada, Mexico)
Tel.: +1 864/433-1980
connectors.usa@staubli.com

Poland

Tel.: +48 42 636 85 04
connectors.pl@staubli.com

Portugal

Tel.: +351 22 978 39 56/50
connectors.pt@staubli.com

Romania, Bulgaria

Tel.: +40374040494
connectors.ro@staubli.com

Russia

Tel.: + 7 812 3344630
connectors.ru@staubli.com

Singapore

Tel.: +65 / 6266 0900
connectors.sg@staubli.com

Slovenia, Croatia

Tel.: +386 (0)8 205 01 05
connectors.si@staubli.com

South Korea

Tel.: +82 53 753 0044
connectors.kr@staubli.com

Spain

Tel.: +34 937 205 405
connectors.es@staubli.com

Switzerland

Tel.: +41 (0) 43/244 22 33
connectors.ch@staubli.com

Taiwan

Tel.: +886 2 8797 7795
connectors.tw@staubli.com

Turkey

Tel.: +90 212/472 13 00
connectors.tr@staubli.com

United Kingdom

Tel.: +44 (0) 1952 671 918
connectors.uk@staubli.com

www.staubli.com



■ Staubli units
○ Connectors distributors

International sales coordination

Stäubli Faverges - CS 30070 - F - 74210 Faverges
Tel.: +33 (0) 4 50 65 67 97 - Fax: +33 (0) 4 50 65 60 69
e mail: connectors.sales@staubli.com

Staubli is a trademark of Stäubli International AG, registered in Switzerland and other countries.
© Staubli. 30/03/2015

We reserve the right to modify product specifications without prior notice.

RD3100300B