

# UniConnect

High quality, flexible range of detachable pipe connections

# UNEX

HEAT EXCHANGERS



UNEX offers a comprehensive range of detachable pipe connections, enabling quick, easy and safe connection to and disconnection from the system. Available in all common standards, these connections provide a great deal of flexibility allowing the standard thread connections on the heat exchanger to be converted to weld, solder or thread connection to the pipe-network.

The use of detachable connections allows for simple removal of the exchanger from the system for clearing and de-scaling as well as replacement with a different unit, should the requirements of the system be altered in the future.

## SUMMARY:

- Brings a great deal of flexibility to help match the exchanger and pipe work
- Standard range from 3/4" to DN100
- Simple and easy to fit

Also suitable for exchangers from other manufactures

## CONNECTION WALL MOUNT

Simple, compact & professional mounting & connection kit –the system for an installation to be proud of.

Screwing directly onto the four 1" front exchanger connections the UniMount WH DN25 provides not only a method of attaching to the wall bracket but is also a rotatable reduction free connection, allowing the pipe work to be fitted flat and tidy against the wall. Should the system require a sensor within one of the flows to or from the exchanger, it is possible to connect to the wall bracket with only three rotatable reduction free connections and screw a sensor into the fourth. With the minimum three connections fitted a weight of up to 30kg can be carried. With all four connections this increases to a maximum of 40kg, depending on the strength of the wall. It is important that the pipework has been designed to prevent expansion and stress and ensures that the pipework is not overstrained before the connection. The connection wall mount is supplied with heavy duty screws and wall plugs, suitable for most wall types, as well as PTFE joint sealing tape.

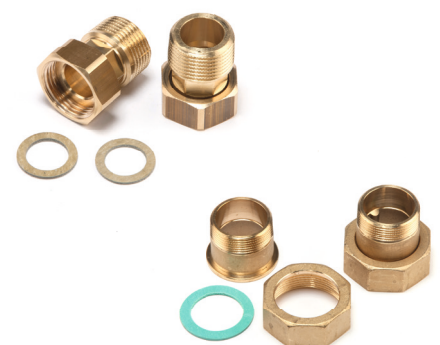


DESCRIPTION	Heat exchanger connection	End connection	Order code
WALL MOUNT CONN. 4 X 1" FOR PBU10/11/20/24	1" external thread	1" external thread	WH DN25

## THREAD > THREAD

These brass fittings are supplied in a set of two, including asbestos-free flat seals

HEAT EXCHANGER CONNECTION	End connection	Description	Order code
1" EXTERNAL THREAD	1" external thread	Screw without reduction 1" (2 pcs/set)	VER0R1
3/4" EXTERNAL THREAD	1/2" external thread	Screw for reducing 3/4" to 1/2" (2 pcs/set)	VER1/2
1" EXTERNAL THREAD	3/4" external thread	Screw for reducing 1" to 3/4" (2 pcs/set)	VER3/4
2" EXTERNAL THREAD	1 1/2" external thread	Screw for reducing 2" to 1 1/2" (2 pcs/set)	VER11/2
2 1/2" EXTERNAL THREAD	2" external thread	Screw for reducing 2 1/2" to 2" (2 pcs/set)	VER2



## THREAD > SOLDER

These connections have a brass union nut and copper connection piece. Packed in a set of two, the asbestos-free flat seals are included.

HEAT EXCHANGER CONNECTION	End connection	Description	Order code
3/4" EXTERNAL THREAD	18mm inner diameter	Screw for solder 3/4" - 18 mm (2 pcs/set)	VER18
1" EXTERNAL THREAD	22mm inner diameter	Screw for solder 1" - 22 mm (2 pcs/set)	VER22



## THREAD > WELD

The mild steel connection piece is in standard DN sizes to be welded directly to steel pipe-work. Each set of two includes brass union nuts and asbestos-free flat seals.

HEAT EXCHANGER CONNECTION	End connection	Description	Order code
3/4" EXTERNAL THREAD	15mm inner diameter	Screw for welded connection DN15 (2 pcs/set)	VER15
1" EXTERNAL THREAD	20mm inner diameter	Screw for welded connection DN20 (2 pcs/set)	VER20
2" EXTERNAL THREAD	40mm inner diameter	Screw for welded connection DN40 (2 pcs/set)	VER40
2 1/2" EXTERNAL THREAD	50mm inner diameter	Screw for welded connection DN50 (2 pcs/set)	VER50



## COMPAC FLANGE

This specially designed flange has been developed to provide the advantages of a standard flange in a compact form that can be used even where there would be not enough space for a standard one. The counter flange is tightened against the O-Ring, integrated in the flange on the exchanger connection, with the effect that a seal can be achieved under much lower tension than a flat seal would require. These flanges are extremely practical on large connections, where the tightening torque for a normal screw connection is high or space to work with a normal screw or standard flange connection is not available. Compac Counter Flanges can be ordered individually in mild or stainless steel.

HEAT EXCHANGER CONNECTION	End connection	Description	Order code
DN65 COMPAC FLANGE	Compac Counter-Flange DN65	Compac Flange in Stainless Steel DN65/PN40 1.4404	Compac65S/40
		Compac Flange in Mild Steel DN65/PN40 C22.8	Compac65C/40
DN80 COMPAC FLANGE	Compac Counter-Flange DN80	Compac Flange in Stainless Steel DN80/PN40 1.4404	Compac80S/40
		Compac Flange in Mild Steel DN80/PN40 C22.8	Compac80C/40
DN100 COMPAC FLANGE	Compac Counter-Flange DN100	Compac Flange in Stainless Steel DN100/PN40 1.4404	Compac100S/40
		Compac Flange in Mild Steel DN100/PN40 C22.8	Compac100C/40



## APPLICATIONS FOR UNICONNECT INCLUDE:

- Domestic and commercial heating and cooling systems
- Plant construction
- OEM Manufacturers
- Uses other than with heat exchangers



### Sales Network:

UNEX heat exchangers and accessories are available from your UNEX partner. Your nearest partner can be found on the UNEX website [www.unex-eu.com](http://www.unex-eu.com)