

Conversion table

Conversion factors from International System (SI) to US Customary System (USCS)

Characteristics	International System (SI)	US Customary System (USCS)	Conversion from SI to USCS	Conversion from USCS to SI
PRESSURE	Mega Pascal (MPa) 1 MPa = 10 bar	Pound/Square Inch (psi)	1 MPa = 145 psi	1 psi = 0,0069 MPa
FLOW IN HYDRAULIC	Litre per minute (l/min)	Gallon per minute (gpm)	1 l/min = 0,265 gpm	1 gpm = 3,78 l/min
FORCE	Newton (N)	Pound force (lbf)	1 N = 0,225 lbf	1 lbf = 4,444 N
TORQUE	Newton meter (Nm)	Pound force per foot (lbf ft)	1 Nm = 0,737 lbf ft	1 lbf ft = 1,357 Nm
TEMPERATURE	Celsius degree (°C)	Fahrenheit degree (°F)	°C = (°F-32)/1,8	°F = (°C*1,8) +32
LENGTH	Millimeter (mm), Meter (m)	Inch (in), Foot (ft)	1 mm = 0,03937 in, 1 m = 3,28084 ft	1 in = 25,4 mm, 1 ft = 0,3048 m
WEIGHT	Kilogram (kg)	Pound (lb)	1 kg = 2,2016 lb	1 lb = 0,1536 kg

Seals Temperature Range

Celsius degrees °C	SEAL COMPOUND	Fahrenheit degrees °F
-20 > +100	NBR (NITRILE)	-4 > +212
-15 > +180	VITON®	+5 > +356
-40 > +150	EPDM (ETHYLENE PROPYLENE)	-40 > +302
-25 > +300	KALREZ®	-13 > +572
-30 > +130	HNBR	-22 > +266
-50 > +150	FLUOROSILICON	-58 > +302
-50 > +150	SILICON	-58 > +302
-40 > +100	NEOPRENE	-40 > +212
-50 > +180	PTFE (TEFLON®)	-58 > +356

VITON®, KALREZ®, AND TEFLON® ARE TRADE MARKS REGISTERED BY DUPONT

Seal Temperature Range

It is a generic indication of the seal temperature range given by Stucchi seal suppliers after laboratory tests made in standard conditions. It is given for Customer information only (is intended as a guide but not as a warranty). It does not mean all Stucchi products are homologated for such seal temperature range. Fluid in use, external condition (radiant heating, temperature changes...), internal condition (duration of exposure, state changes of the fluid, thermal expansion...) should be taken into account. Every application has to be analyzed by the Customer before the final choice. Please contact Stucchi S.p.A. for further information.

Seal Compatibility

Verify that the seals of the product are compatible with the medium used. Make sure that any not compatible fluids do not come in contact with the seals in case of maintenance or due to external environment condition. Do not use Stucchi product with flammable, explosive or dangerous fluids. Stucchi always recommends to do a customer verification and validation test to approve the products in the specific application before do the final choice. Please contact Stucchi S.p.A. for further information.