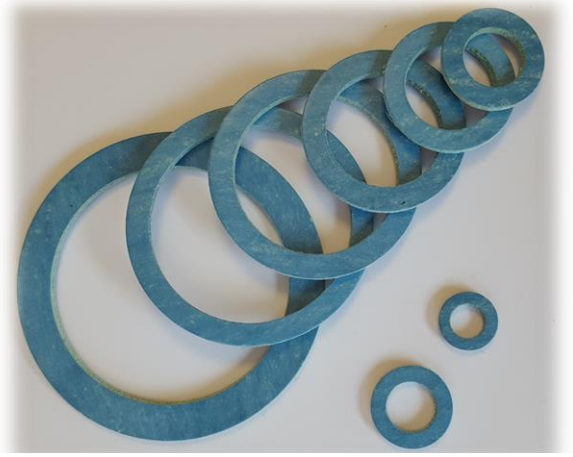
HYDRAQUIP
BRAIDED HOSE DIVISION

KEVLAR WASHER RANGE



CONSTRUCTION

The HQ "KEV" range of washers are manufactured from a non-asbestos jointing sheet, composed of Kevlar aramid fibres and high temperature resistant mineral fillers, bonded with high ACN-content NBR elastomer. This formulation gives excellent chemical stability and resistance to creep.

RANGE

Part No	Dimensions (OxIxD)
KEV-1/4	10.5 x 6.0 x 2mm
KEV-3/8	15.5 x 8.6 x 2mm
KEV-1/2	18.7 x 10.5 x 2mm
KEV-3/4	24.0 x 16.0 x 2mm
KEV-1	30.0 x 21.0 x 2mm
KEV-11/4	38.5 x 29.5 x 2mm
KEV-11/2	44.3 x 36.1 x 2mm
KEV-2	56.3 x 43.3 x 2mm

NB Dimensions are approximate and may vary due to the nature of the material

APPLICATIONS

Due to the materials of construction this range of washers is suitable for a wide range of applications and uses. These include water, gases, hydrocarbons, solvents, low pressure steam, mild acids and alkalis and are suitable for use in the food industry, public utilities, water treatment plants, chemical plants, oil industry and many others.

APPROVALS

WRAS (app no 1509513 – water up to 85C)
DIN-DVGW DIN 3535-6
SVGW DIN 3535-6
DVGW VP 401
DVGW KTW
DVGW W270
TA-Luft (VDI 2440)
BAM (Oxygen)
Germanischer Lloyd
ABS
AGA 8140 G (Class III)
EC 1935/2004

TECHNICAL DATA

Peak temperature	350°C/662°F
Continuous temperature	250°C/482°F
Steam	200°C/392°F
Pressure max	100bar/1450psi
Pressure @ Temp	40bar @ 150C
Density DIN 28090-2	1.7g/cm3
Compressibility ASTM F36J	11%
Recovery ASTM F36J	60%
Tensile strength ASTM F152	10MPa
Stress resistance DIN 52913	
16 h, 50 MPa, 175 °C	27MPa
16 h, 50 MPa, 300 °C	23MPa
Specific leak rate DIN 3535-6	0.05mg/(s.m)
Thickness increase ASTM F146	
Oil IRM 903, 5 h, 150 °C	2%
ASTM Fuel B, 5 h, 23 °C	5%
Compression modulus DIN 28090-2	
Room temp: εKSW	9.5%
Elevated 200C: εWSW	16.1%
Percentage creep relaxation DIN 28090-2	
Room temp: εKRW	4.7%
Elevated 200C: εWRW	0.8%

NB The information above is based on laboratory conditions and does not form the basis of any warranty