

To whom it may concern

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Pressure resistance for Geobrugg UX/VX barriers

Dear client

Geobrugg has been in the field of debris flow protection using flexible ring net barriers for over 20 years. We offer 1:1 field tested and CE-marked standard systems for maximum protection against debris flow.

Geobrugg was the first manufacturer to carry out large-scale field tests together with the WSL Research Institute in Ilgraben, Switzerland, from 2005 to 2008. Back calculations from these instrumented field test barriers and customer projects worldwide over the last 20 years prove that all our systems have sufficient reserves to withstand more than the nominal design pressure.

Geobrugg standard systems include:

Type	Nominal Design Pressure	Admissible pressure	Design Height
UX-100-H4	100 kN/m ²	105 kN/m ²	4 m
UX-160-H4	160 kN/m ²	165 kN/m ²	4 m
UX-120-H6	120 kN/m ²	125 kN/m ²	6 m
UX-180-H6	180 kN/m ²	185 kN/m ²	6 m
VX-080-H4	80 kN/m ²	85 kN/m ²	4 m
VX-140-H4	140 kN/m ²	145 kN/m ²	4 m
VX-100-H6	100 kN/m ²	105 kN/m ²	6 m
VX 160-H6	160 kN/m ²	165 kN/m ²	6 m
VX 060L-H4	60 kN/m ²	Upon request	4 m

If you have any questions on how to use the above information, do not hesitate to contact us.

Best regards

Matthias Denk



Product and R&D Manager HYDRO

Armin Roduner



Head of Product Development SLOPE and
Quality Assurance