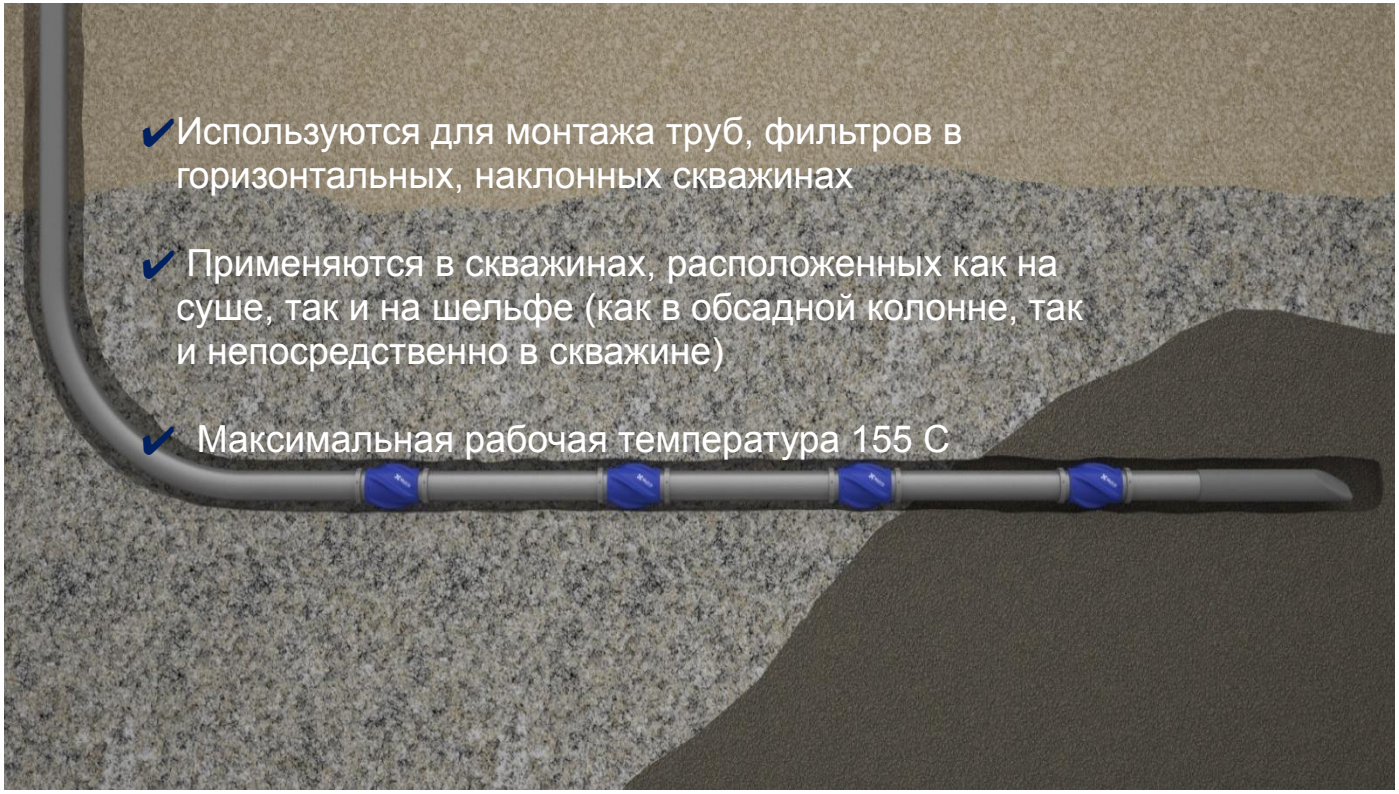Применение центраторов