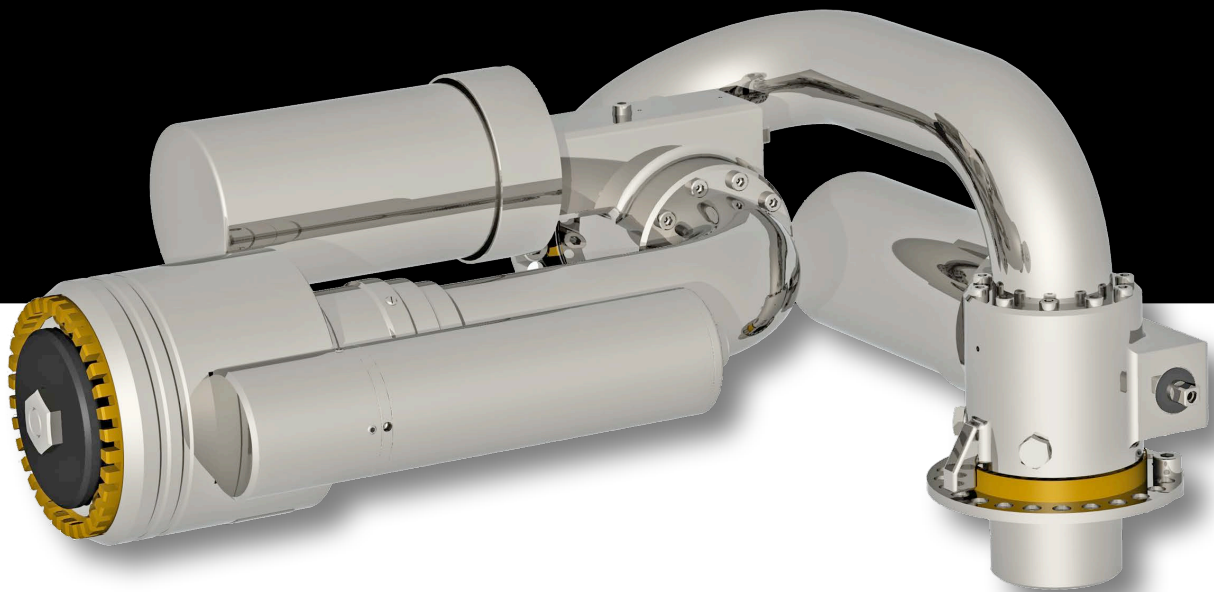




UNIFIRE

FORCE ROBOTIC NOZZLE

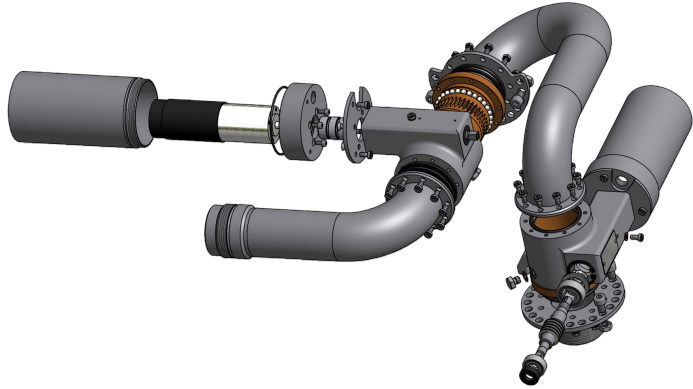
MAINTENANCE INSTRUCTIONS



The future of firefighting

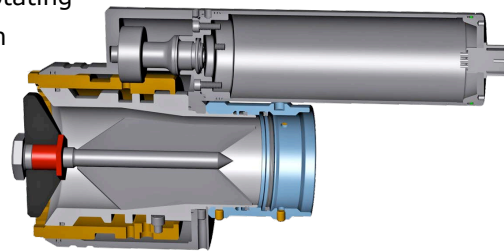
MAINTENANCE of FORCE 50 & FORCE 80

⦿ We recommend that the electric motors be inspected by opening the motor covers once per month. The purpose of this is to ensure that there is no water or moisture build up in the motor enclosures (which could be caused by a loose connector). If there is moisture, dry it thoroughly and be sure to connect the connector securely to prevent further exposure. The motors are not very sensitive to water, but checking once-in-a-while is good precaution.



⦿ We also recommend that the multi connectors be inspected for water and/or signs of corrosion. As a precaution, the connectors should be sprayed with WD40 one per year.

⦿ For the INTEG nozzle we recommend that the rotating stream shaper be cleaned and lubricated with WD40 once per month, as this may be exposed to air, dirt and grime.



⦿ In stow position, the INTEG nozzle should be set to wide-spray (i.e., retracted), and the nozzle should face downwards. This will ensure that the stream shaper fully protected from dirt, salt, dust or ice, and well greased at all times, and will ensure proper drainage of the nozzle when stowed.

⦿ We recommend that the FORCE monitor be externally cleaned from time to time and when dirty. Clean with any cleaning agent and water, as with standard pieces of machinery. Because the FORCE monitor is made of polished (no surface treatment) 316L stainless steel, it can always be machine polished to look fantastic.

⦿ The worm gears are filled with grease and hermetically sealed off with nitril X-rings. This means no dirt or water get into the gears. No air circulation will dry out the rubber seals. This is normally a maintenance free unit.

⦿ **The worm gears must normally never be greased.** We recommend not ever greasing the gears unless specifically recommended to do so by Unifire AB on an individual, case-by-case basis. If Unifire recommends greasing, then be sure to follow Unifire's instructions, including by using the proper type of grease (Mobilith SHC460) and make sure to open the grease evacuation plug (part 26 on the drawing). Using the wrong type of grease may cause fatal damage to the mechanics or block the movement.