From the red pump manual:

* Pitch of the thread = 25.4/20 = 1.27 mm
* Stepper motor angles 360/400 = 0.9 (0.44 Nm)

Possible parts:

* <https://www.mcmaster.com/#standard-stainless-steel-threaded-rods/=17kvif5> (possible to go for M8.1 with 1 mm pitch commercially available, but if less has to be custom made)
* Stepper <http://it.rs-online.com/web/p/motori-passo-passo/5350401/> or the more powerful in terms of torque (1.2 Nm) <http://it.rs-online.com/web/p/motori-passo-passo/5350502/> (4 cables = bipolar)
* Stepper controller <https://www.sparkfun.com/products/12859> (with 16 microsteps by default)