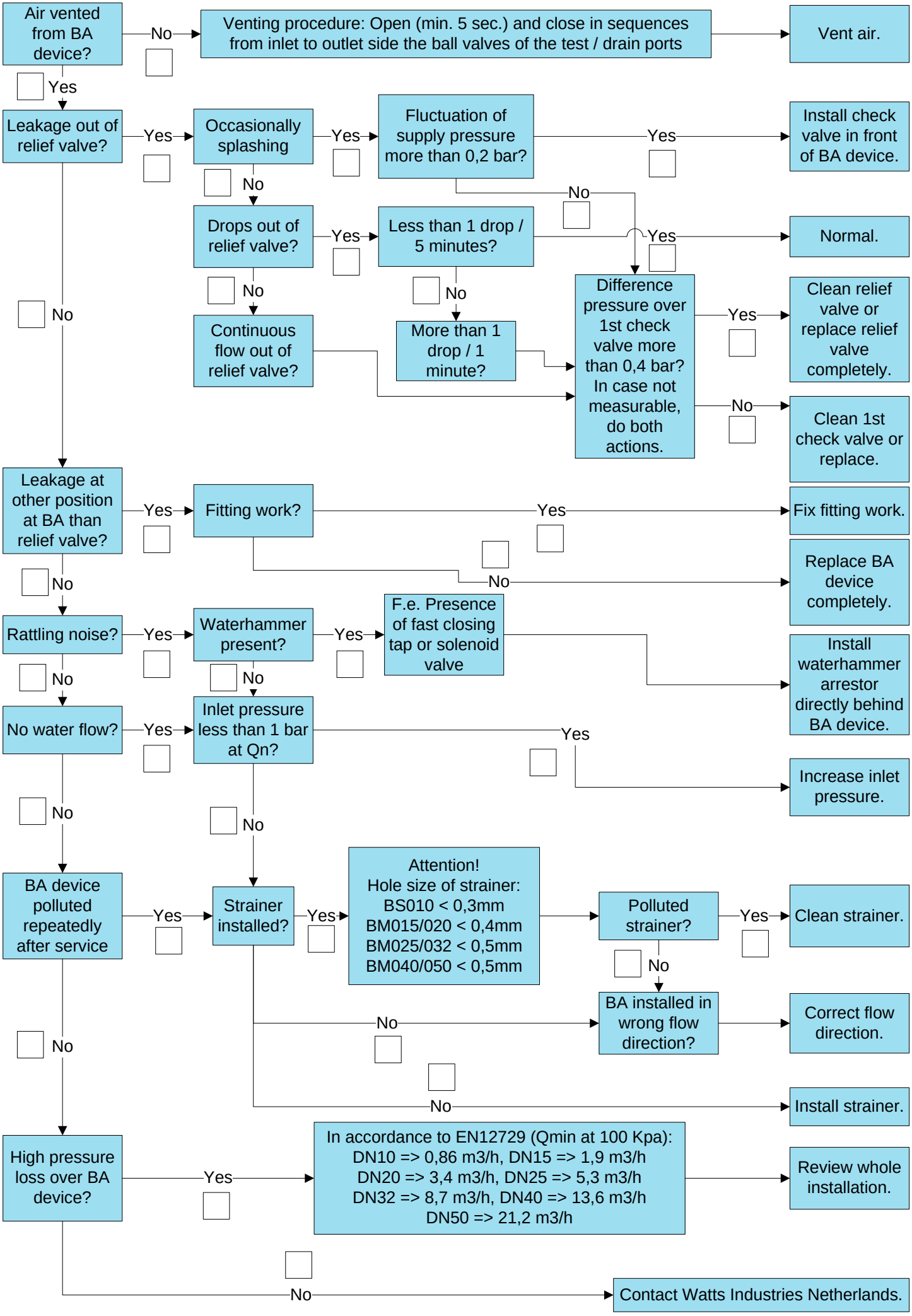
Air vented from BA device?
No
Venting procedure: Open (min. 5 sec.) and close in sequences from inlet to outlet side the ball valves of the test / drain ports
Vent air.
Yes
Leakage out of relief valve?
Yes
Occasionally splashing
Yes
Fluctuation of supply pressure more than 0,2 bar?
Yes
Install check valve in front of BA device.
No
No
Drops out of relief valve?
Yes
Less than 1 drop / 5 minutes?
Yes
Normal.
No
No
Continuous flow out of relief valve?
More than 1 drop / 1 minute?
Difference pressure over 1st check valve more than 0,4 bar? In case not measurable, do both actions.
Yes
Clean relief valve or replace relief valve completely.
No
Clean 1st check valve or replace.
No
Leakage at other position at BA than relief valve?
Yes
Fitting work?
Yes
Fix fitting work.
No
Replace BA device completely.
No
Rattling noise?
Yes
Waterhammer present?
Yes
F.e. Presence of fast closing tap or solenoid valve
Install waterhammer arrestor directly behind BA device.
No
No
No water flow?
Yes
Inlet pressure less than 1 bar at Qn?
Yes
Increase inlet pressure.
No
No
BA device polluted repeatedly after service
Yes
Strainer installed?
Yes
Attention! Hole size of strainer: BS010 < 0,3mm BM015/020 < 0,4mm BM025/032 < 0,5mm BM040/050 < 0,5mm
Polluted strainer?
Yes
Clean strainer.
No
BA installed in wrong flow direction?
Correct flow direction.
No
No
No
Install strainer.
High pressure loss over BA device?
Yes
In accordance to EN12729 (Qmin at 100 Kpa): DN10 => 0,86 m3/h, DN15 => 1,9 m3/h DN20 => 3,4 m3/h, DN25 => 5,3 m3/h DN32 => 8,7 m3/h, DN40 => 13,6 m3/h DN50 => 21,2 m3/h
Review whole installation.
No
Contact Watts Industries Netherlands.