

TROUBLESHOOTING

Consulting tab.12 and tab.13 can often help to solve troubles or incorrect operation.

If the problem persists, please consult us.

Troubleshooting	cause
The motor does not start and there is no noise	1
The motor does not start but humming noise is heard	2-3-4-5-23
Automatic cut off just after starting	3-6-7-8-9-23
Absorbed power is too high	9-10-11-12-21-22-23
The pump does not produce vacuum	11-13-14-21
The pump produces insufficient vacuum	14-15-16-17-18-19-21
The pump makes a strange or loud noise	5-6-9-10-12-20-23
Leakage of liquid from the pump	18-19
The vibrations are too high	5-8-9-10-11-12-20-23-24

	Cause	Recommend
1	At least 2 of the electric connections have been cut off	Check fuses, terminal boards and connection cables and, if required, replace them
2	At least 1 of the electric connections has been cut off	See point 1
3	The pump is locked	- Clean internal chamber of the pump - Check clearance of the impeller and, if required, adjust it
4	Faulty impeller	Replace the impeller
5	Faulty bearing	Replace bearing
6	Faulty motor	Check the motor
7	Motor overload	Reduce the service liquid flow rate
8	Too high discharge counter pressure	- Reduce counter pressure - Check if anything is clogging the discharge piping
9	Too high quantity of liquid entrained with the gas	Reduce the quantity of entrained liquid
10	Scale or other kind of deposits	Decalcify and/or clean the pump
11	Wrong direction of rotation	Change direction of rotation
12	Service liquid flow rate too high	Reduce service liquid flow rate
13	Service liquid is missing	Check the in-feed circuit for service liquid
14	Air leakage in the system	Check plants seals
15	The pump is too small	Use a larger size pump
16	Insufficient service liquid flow rate	Increase service liquid flow rate
17	Service liquid temperature too high	Cool the service liquid
18	Faulty mechanical seal	Replace the seal
19	Internal erosion/corrosion	Replace damaged components using proper materials
20	Cavitation	- Install VG B valve - Cool the service liquid - Increase absolute suction pressure
21	Faulty instruments of measure	Check the instrumentation
22	Stuffing box gland is too tight (only for 30-40 size)	Release pressure exercised by stuffing box gland
23	Ice formation into the pump	Heat the system before starting it
24	Coupling pump-motor	Check joints, sheaves, V-belts and their alignment