Cement factory



Locations

WOERNER

Central lubrication systems in the cement industry



Cement factory

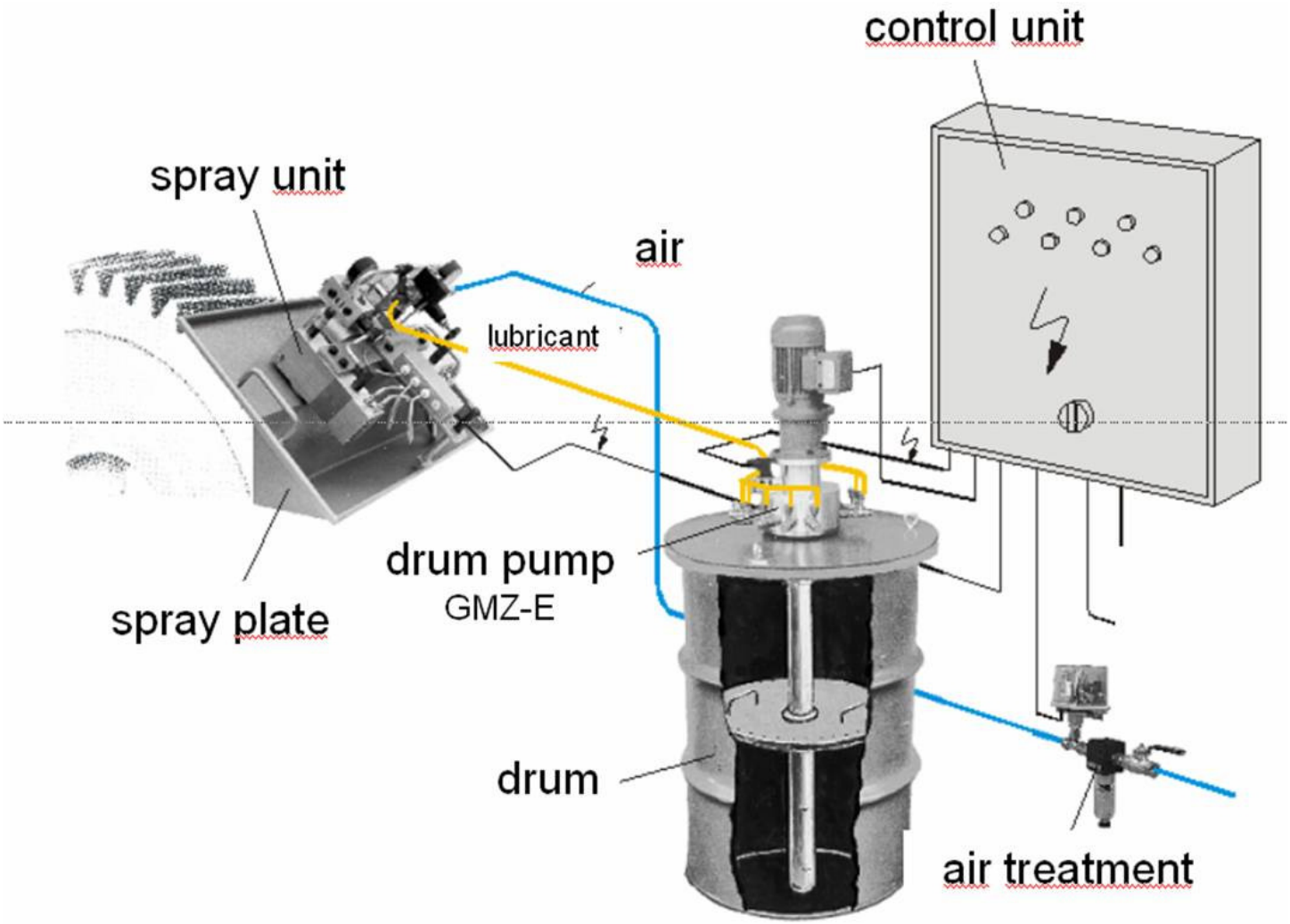


spray lubrication

WOERNER
The Experts in Lubrication

woerner system for mills, kilns and gears.

- pump station
- spray nozzle plate
- air maintenance unit
- control unit



Separator

WOERNER
The Experts in Lubrication

With 2-lubrication points



Separator

Grease central lubrication system for 2-lubrication points.

- piston pump unit GMG-A
- pressure relief valve HDB
- progressive distributor VPB
- terminal box
- mounted in casing (dust protection) deliverable acc. to version ATEX.



Separator

Grease central lubrication system for 2-lubrication points

- with heating
- thermostat
- self-limiting heating tapes for heating of the pipelines



Clinker Crusher

WOERNER
The Experts in Lubrication

With 6-lubrication points



Clinker Crusher

Version as for separator,

but 6-lubrication points

- piston pump unit GMG-A
- pressure relief valve HDB
- progressive distributor VPB
- terminal box
- mounted in casing



OK - MILL



Separator

WOERNER
The Experts in Lubrication

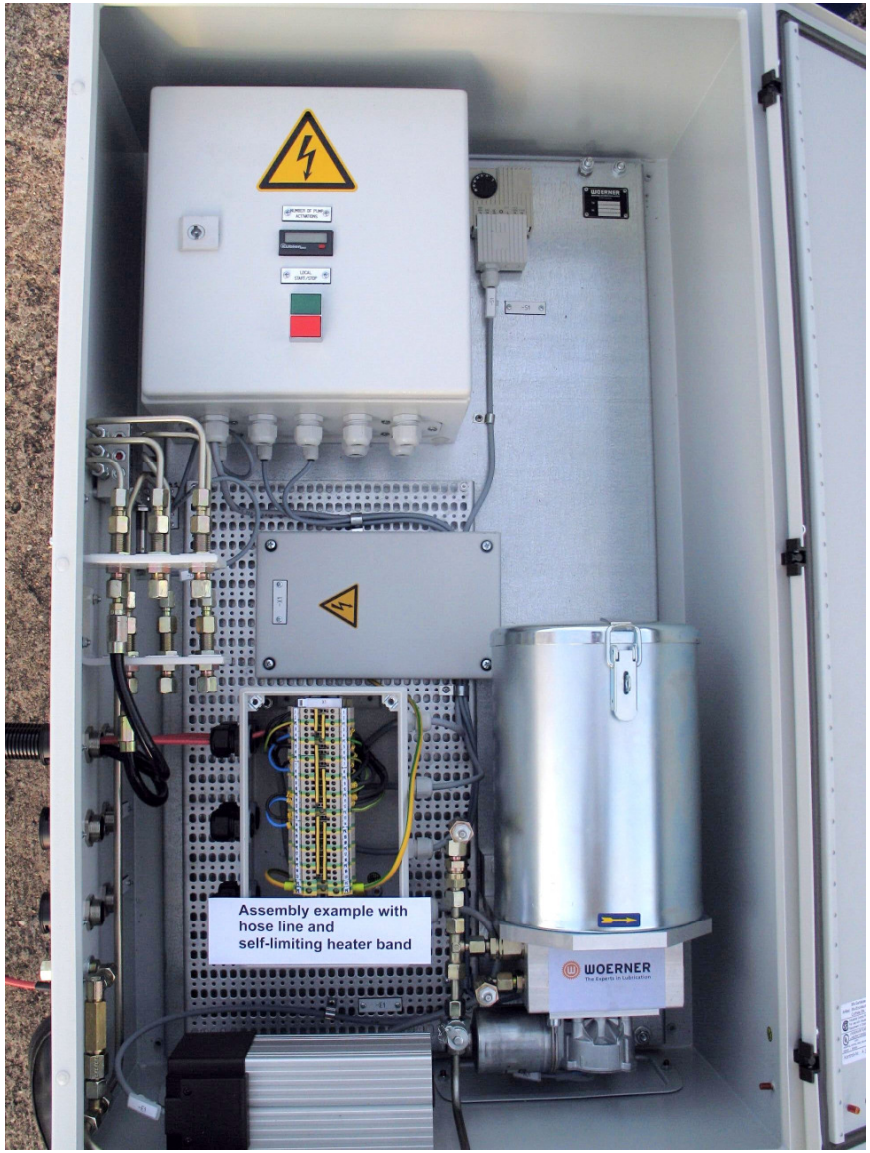
With 2 lubrication points



OK - MILL

lubrication system for 6-lubrication points

- piston pump unit GMG-A
- pressure relief valve HDB
- progressive distributor VPB
- terminal box
- mounted in casing (dust protection)
- with heating
- thermostat
- self-limiting heating tapes for heating of the pipelines



ship-unloader







ship-unloader

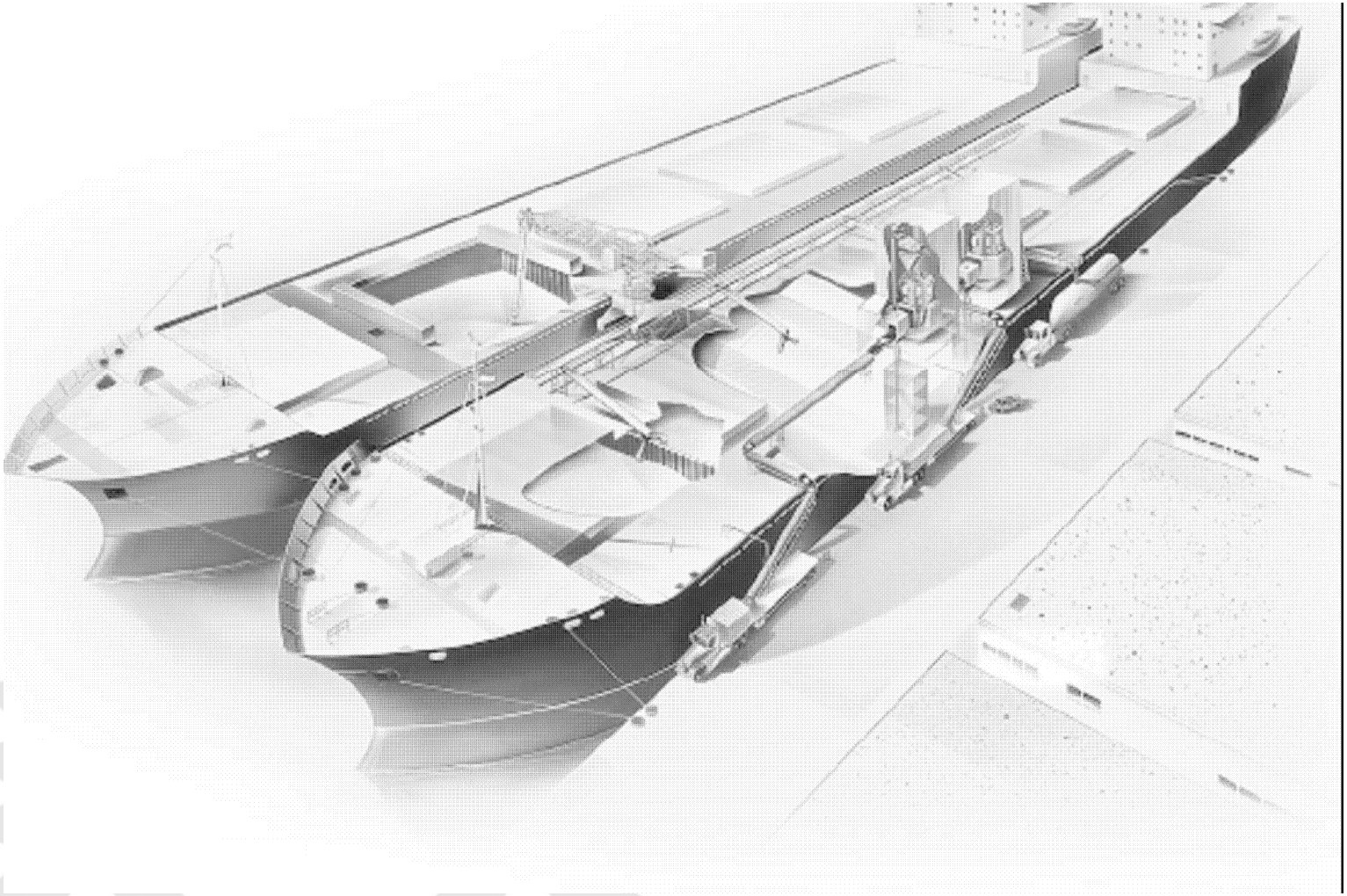
- Cement - Zement
- Limestone - Kalkstein
- Coal - Kohle







ship-unloader



ship-unloader

ship-unloader in the port

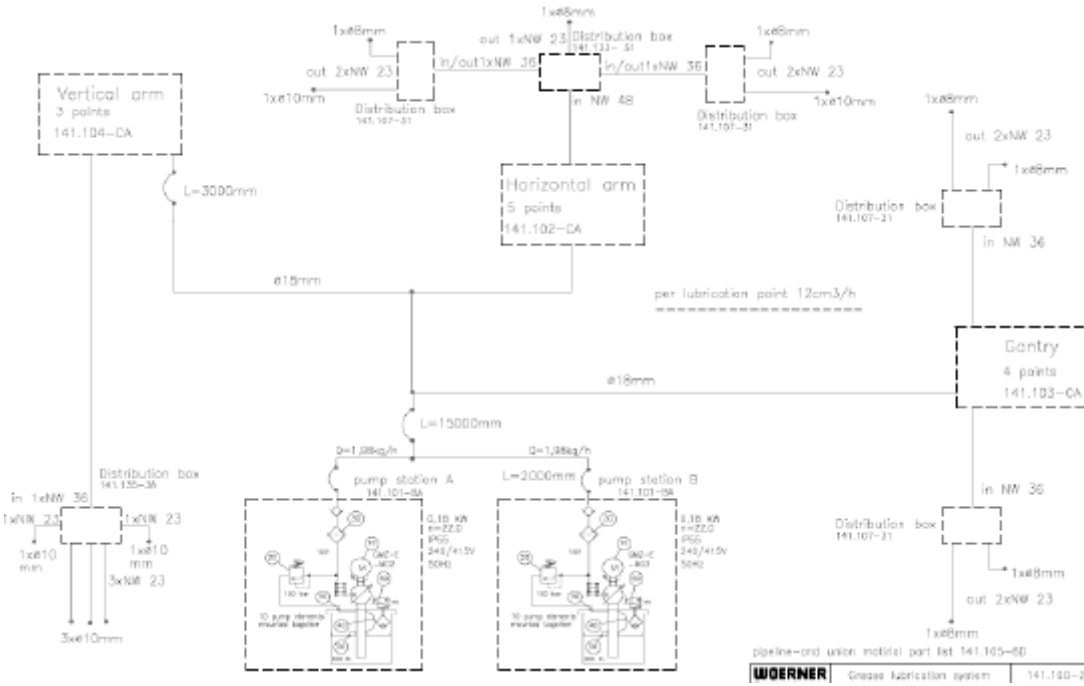
- Vertical arm 3-points
- Horizontal arm 5-points
- Gantry 4-points



Scheme

Grease central lubrication system
for 13 lubrication points

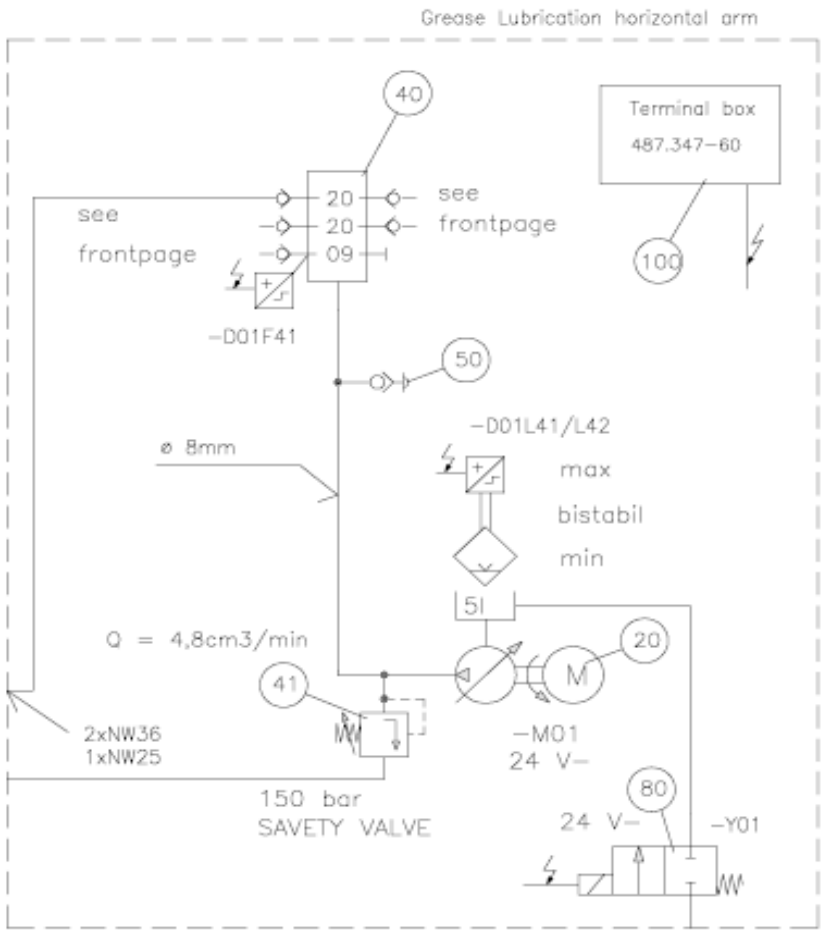
- 2 piston pump units GMZ-E for filling the
- 3 lubrication systems
- Vertical arm, Horizontal arm and Gantry



Scheme

Grease lubrication system horizontal arm for five lubrication points.

- piston pump unit GMG-B
- pressure relief valve HDB
- progressive distributor VPB
- terminal box



Gantry

Grease central lubrication system for 3-lubrication points.

- piston pump unit GMG-B
- pressure relief valve HDB
- progressive distributor VPB
- terminal box
- mounted in casing



Pump station for filling

- GMZ-E Q=1,85kg/h
- 200ltr. barrel
- barrel lid
- with filter
- pressure relief valve HDB filter
- level control



Plants

WOERNER
The Experts in Lubrication

MECHANICAL SHIP UNLOADERS

No.	Client	Country	Material	Type	Ship Size (DWT)	Capacity (TPH)	Delivery
1	Cemex	Floating Terminal	Cement	CSU-500-RT	35.000	800	1999
2	California Portland Cement	USA	Cement	CSU-500-RT	48.000	800	2003
3	Holcim	USA	Cement	CSU-500-RT	65.000	800	2002
4	E.D.C.M	France	Cement	CSU-500-RT	35.000	800	2002
5	Doosan Heavy Industries	Korea	Limestone	CSU-500-RT	3.000	200	2003
6	Samwhan Corporation	Korea	Limestone	CSU-500-RT	5.000	250	2003
7	Tata Power	India	Coal	CSU-820-RT	2.400	1.550	2007

THANK YOU

WOERNER
The Experts in Lubrication

