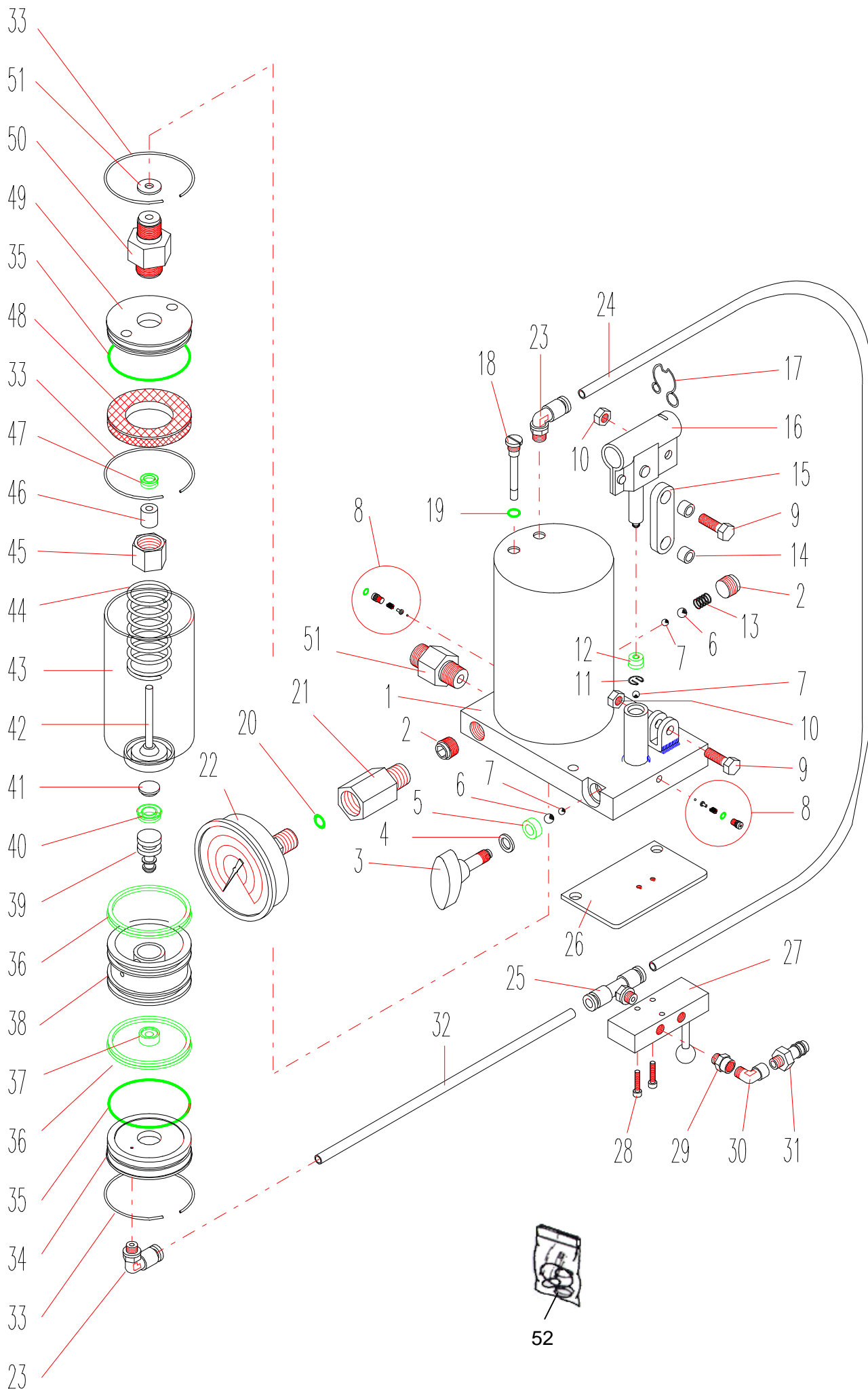




MGKPD50AN HYDRAULIPRÄSSI ILMA / HYDRAULIC PRESS



Nº	NOMBRE / DESCRIPTION DESIGNATION	Ref.
1	Botella/Hydraulic unit/Ensemble hydraulique	BKN-09/C25
2	Tapón/Plug/Bouchon	Y-2/1160
3	Descarga/Release/Descente	BM-04/1125
4	Arandela/Washer/Rondelle	BKN-05/1128
5	O-Ring	BKN-05/1130
6	Bola/Ball/Bille	ME-1501/1212
7	Bola/Ball/Bille	ME-1501/1149
8	Válvula de seg./Safety valve/Soupape sécurité	MG-2/C9
9	Tornillo/Screw/Vis	KC-15/1309
10	Tuerca/Nut/Ecrou	EF-1,5/1318
11	Muelle/Spring/Ressort	MG-2/1161
12	Collarín/Seal/Coupelle	MG-2/1133
13	Muelle/Spring/Ressort	ME-1501/1162
14	Casquillo/Bushing/Douille	BKN-07/1475
14	Tapón/Plug/Bouchon	BKN-09/C55
15	Tirante/Arm link/Bretelle	BKN-07/1111
16	Portapalanca/Handle socket/Chape porte-levier	BM-04/C7
17	Muelle/Spring/Ressort	BK-1/1282
18	Tapón/Plug/Bouchon	BKN-09/C55
19	O-Ring	MB-22-A/1289
20	O-Ring	MB-22-A/1130
21	Racord/Connector/Raccord	A-5578
22	Manómetro/Press gauge/Manomètre	A-5110
23	Rácor en codo/ Elbow/ Raccord coudé	1/8
24	Tubo/Pipe/Tube	D 8 * 1,5
25	Rácor T/ T connector/ Raccord en T	1/8
26	Placa de válvula/ Valve support/ Plaque de valv.	BKN-05/1305
27	Válvula/ Valve/ Valve	321ML90
28	Tornillo/Screw/Vis	BKN-05/1481
29	Rácor prolong./ Ext. connector/ R. d'extension	1/8
30	Rácor en codo/ Elbow/ Raccord coudé	1/8
31	Rácor /Connector/ Raccord	1/8
32	Tubo/Pipe/Tube	D 8 * 1,5
33	Anillo/Ring/Bague	MG-25/1361
34	Tapa superior/Upper cover/ Couvercle supérieur	MGN-20/1599
35	O-Ring	NS-2/1600
36	Collarín/Seal/Coupelle	NS-2/1612
37	O-Ring	NS-1/1614
38	Pistón/Main piston/Piston	NS-1/1610
39	Eje/Axle/Axe	MGN-20/1615
40	Collarín/Seal/Coupelle	MGN-20/1613
41	Tapón/Filler plug/Bouchon	NS-2/1616
42	Pistón de bomba/Pump piston/Piston de comm.	MGN-20/C8
43	Camisa/Cylinder/Cylindre	MGN-20/1609
44	Muelle/Spring/Ressort	MGN-20/1241
45	Tuerca/Nut/Ecrou	MGN20/1114
46	Casquillo/Bushing/Douille	MGN-20/1143
47	Collarín/Seal/Coupelle	C-212/1133
48	Filtro / Filter / Filtre	MGN-20/1153
49	Tapa inferior/ Bottom cover/ Couvercle inférieur	MGN-20/2191
50	Tuerca/Nut/Ecrou	MGN-20/4655
51	Arandela/Washer/Rondelle	NS-1/1119
52	Juego de reparación/ Repair kit/ Kit réparation	RBKN-09 5/12/19/20/33/35 /36/37/40/47/32
59	Racord	KCK-15/2121
cm³	Vol. de aceite/Oil volume/ Volume d'huile	1.100

1 SAFETY INSTRUCTIONS

- 1.1 As a safety measure, this pump is fitted with an overload safety valve. This valve is factory set and must not be tampered with.
- 1.2 We recommend the use of a gauge to control efficiently the cylinder or the hydraulic unit being operated by the pump.

2 USE AND OPERATION

- 2.1 Minimum air pressure required: 7 bar.
- 2.2 Necessary air flow: 270 l / min.
- 2.3 To guarantee a fine operation of the pump we recommend the use of an air filter-lubricator unit.
- 2.4 Before operating the pump, remove the metallic zinc-coated rod "A" inserted in the elbow n° 24 and connect instead the blue plastic tube, which comes disconnected from factory (fig. 1).
- 2.5 This pump has been mainly designed to operate the cylinder of our presses or, alternatively, any hydraulic unit not fitted with a pump. The connection must be effected with a hose of the same section as that of the connector n°31, delivered with valve n° 27.
- 2.6 Before operating the pump, it is necessary to purge air from the valve system. Open the release valve n° 3 anti-clockwise and operate the pump several times with the aid of the handle. Alternatively, operate the air valve lever n° 27 for some seconds to let air come into the system. Then, release the valve lever to stop the entry of air.
- 2.7 Close the release valve n° 3 clockwise. The pump is now ready to be used.
- 2.8 On air application, the manual lever should always remain in the lever-holder.
- 2.9 To lower the load, turn slowly and anti-clockwise the release valve n° 3. **Never unscrew completely the release valve rod.**

3 MAINTENANCE

- 3.1 Lubricate all moving parts at regular intervals.
- 3.2 Always keep the pump clean and protected from aggressive environment.
- 3.3 If necessary, check the oil level, with the piston of press cylinder fully retracted, and refill up to the volume indicated in the chart. The plug n° 18 should be removed before. **IMPORTANT:** An excess of oil will render the pump inoperative.
- 3.4 Use only hydraulic oil, type HL or HM, with an ISO grade of cinematic viscosity of 30 cSt at 40° C or an Engler viscosity of 3 at 50° C. **VERY IMPORTANT:** Never use brake fluid.
- 3.5 When ordering spare parts, please state the part number indicated in the exploded view provided. A repair kit is available containing all the common spare parts.

4 REPAIR

Both maintenance and repair must only be carried out by qualified personnel.

