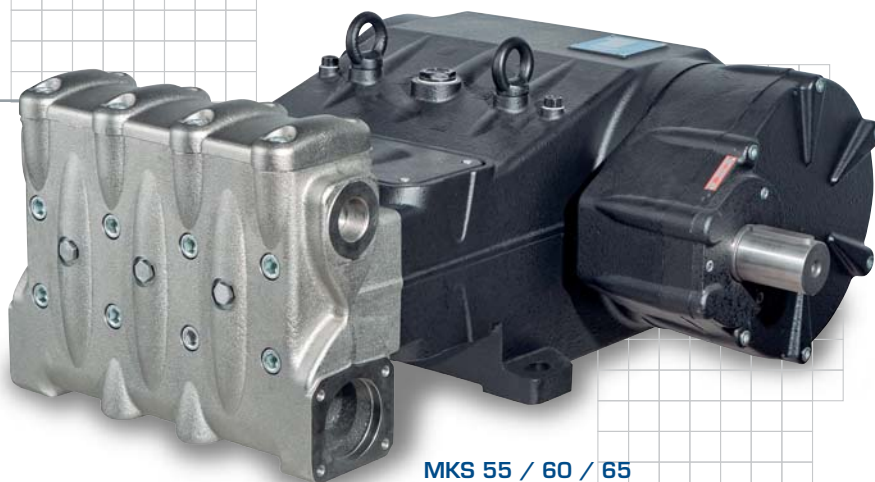


# MKS series

## 180HP



MKS 40 / 45 / 50



MKS 55 / 60 / 65

### CONSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 2 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio valvole.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

### CONSTRUCTION

- Triplex plunger pump, available in 6 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gear box available in 2 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- Flushing systems available on request on selected versions.

| Tipo pompa<br>Pump type | Portata<br>Volume |        | Pressione<br>Pressure |     |        | Con riduttore<br>With gearbox<br>g/min<br>r.p.m. | Potenza<br>Power |       | Peso<br>Weight<br>kg | Dimensioni<br>Dimensions<br>mm |
|-------------------------|-------------------|--------|-----------------------|-----|--------|--------------------------------------------------|------------------|-------|----------------------|--------------------------------|
|                         | l/min             | US Gpm | bar                   | MPa | p.s.i. |                                                  | hp               | kW    |                      |                                |
| MKS 40                  | 182               | 48.2   | 400                   | 40  | 5800   | 1500 / 1800 / 2200                               | 191              | 140,5 | 393                  | 829x747x362                    |
| MKS 45                  | 231               | 61.0   | 300                   | 30  | 4350   | 1500 / 1800 / 2200                               | 182              | 134,0 | 393                  | 829x747x362                    |
| MKS 50                  | 285               | 75.3   | 250                   | 25  | 3600   | 1500 / 1800 / 2200                               | 187              | 137,5 | 393                  | 829x747x362                    |
| MKS 55                  | 345               | 91.1   | 200                   | 20  | 2900   | 1500 / 1800 / 2200                               | 180              | 132,0 | 407                  | 841x747x400                    |
| MKS 60                  | 410               | 108.4  | 170                   | 17  | 2500   | 1500 / 1800 / 2200                               | 183              | 135,0 | 407                  | 841x747x400                    |
| MKS 65                  | 481               | 127.0  | 150                   | 15  | 2175   | 1500 / 1800 / 2200                               | 190              | 140,0 | 407                  | 841x747x400                    |

Portate tecniche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

### OPZIONI TRASMISSIONI - DRIVE OPTIONS

Versione per azionamento con motore idraulico SAE J 744 tipo D

SAE J 744 - D Type direct coupling



### VERSIONI A RICHIESTA - SPECIALIZED PUMPS

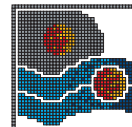
Per specifiche tecniche vedi catalogo POMPE PER APPLICAZIONI DEDICATE  
Specialized pumps (see SPECIALIZED PUMPS CATALOGUE)

#### MKS-R version



Adatta per acque cariche e solidi in sospensione fino al 20% in volume e dimensioni fino a 200 µ.  
Portate e pressioni standard.  
MKS 40 - 45 NON DISPONIBILI.

Suitable for charged water with particles size up to 200 microns and up to 20% concentration in the water.  
Standard flows and pressures.  
MKS 40 - 45 NOT AVAILABLE.



## ACCESSORI - ACCESSORIES

### FILTRI FILTERS

#### ■ F40

Polipropilene  
Polypropilene  
170/365  
microns



8 bar  
0,8 MPa  
120 psi  
500 l/min  
132 gpm

### VALVOLE DI MASSIMA PRESSIONE MAX PRESSURE SETTING VALVES

#### ■ SV2

Ottone  
Brass



720 bar  
72 MPa  
10442 psi  
190 l/min  
50 gpm

#### ■ SV3

Ottone  
Brass



360 bar  
36 MPa  
5221 psi  
500 l/min  
132 gpm

#### ■ SX3

Acciaio inox  
Stainless steel



360 bar  
36 MPa  
5221 psi  
500 l/min  
132 gpm

### REGOLATORI DI PRESSIONE REGULATING VALVES

#### ■ RV3

Ghisa GS600  
GS600  
Cast iron



300 bar  
30 MPa  
4350 psi  
500 l/min  
132 gpm

#### ■ RV3 - 450

Ghisa GS600  
GS600  
Cast iron



450 bar  
45 MPa  
6600 psi  
200 l/min  
52.9 gpm

### VALVOLE PNEUMATICHE PNEUMATICALLY OPERATED VALVES

#### ■ PN2

Acciaio inox  
Stainless  
steel



#### PN2/140

140 bar  
14 MPa  
2030 psi  
230 l/min  
61 gpm

#### PN2/250

250 bar  
25 MPa  
3626 psi  
230 l/min  
61 gpm

#### PN2/500

500 bar  
50 MPa  
7250 psi  
230 l/min  
61 gpm

#### ■ PN3

Ghisa  
GS600

GS600  
Cast iron



#### PN3/160

160 bar  
16 MPa  
2350 psi  
500 l/min  
132 gpm

#### PN3/240

240 bar  
24 MPa  
3500 psi  
420 l/min  
111 gpm

#### PN3/300

300 bar  
30 MPa  
4350 psi  
300 l/min  
79 gpm

### ACCUMULATORI ANTIPULSAZIONI PULSATION DAMPENERS

#### ■ A15

Volume 1,5 l  
Volume 1,5 l

Acciaio forgiato  
Forged steel



Max. 330 bar  
Max. 33 MPa  
Max. 4750 psi

#### ■ A15X

Volume 1,5 l  
Volume 1,5 l

Acciaio inox  
Stainless steel



Max. 150 bar  
Max. 15 MPa  
Max. 2150 psi

### UGELLI / NOZZLES

#### ■ N1

Acciaio inox  
Stainless  
steel



Max. 300 bar  
Max. 30 MPa  
Max. 4350 psi

### MANOMETRI PRESSURE GAUGES

#### ■ PG1 ■ PG2



0-120 bar 0-12 MPa  
0-160 bar 0-16 MPa  
0-250 bar 0-25 MPa  
0-400 bar 0-40 MPa  
0-600 bar 0-60 MPa  
0-1000 bar 0-100 MPa

Attacco Gas 1/4"  
Connection Gas 1/4"

### LANCE COMPLETE SPRAY GUNS

#### ■ P560

Lunghezza 750/1000mm  
Length 750/1000mm



600 bar - 60 MPa - 8700 psi  
60 l/min - 15.8 gpm

#### ■ P560/S

Lunghezza 750/1000mm  
Length 750/1000mm



600 bar - 60 MPa - 8700 psi  
60 l/min - 15.8 gpm

### VALVOLE NON RITORNO CHECK VALVES

#### ■ UD1



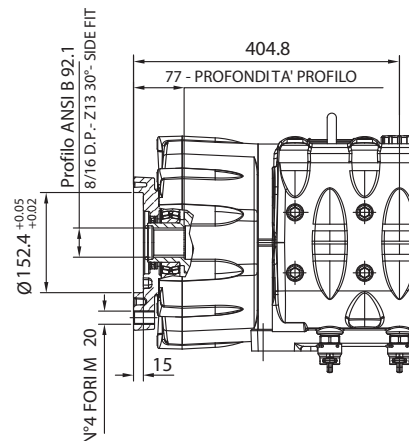
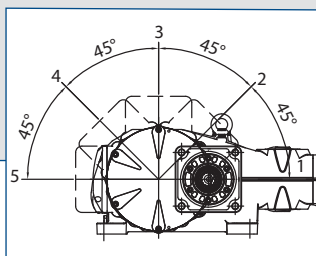
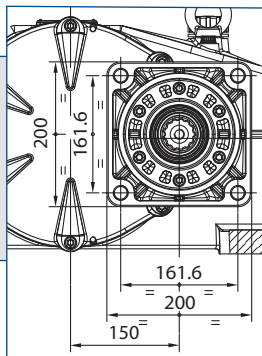
UD1/5  
UD1/02  
250 bar  
25 MPa  
3650 psi  
180 l/min  
48 gpm

Precarica / Load  
5 bar - 0,5 MPa - 72 psi  
0,2 bar - 0,02 MPa - 3 psi

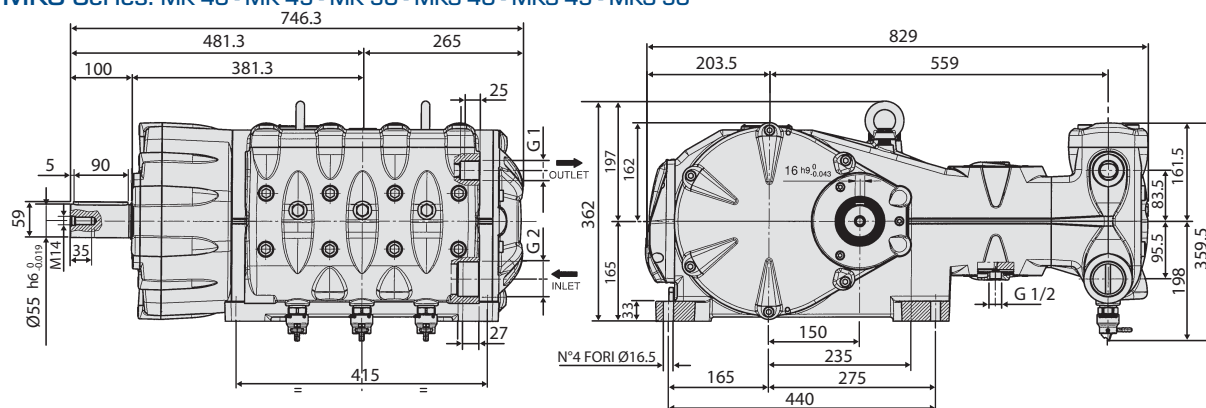


**Versione per  
azionamento con  
motore idraulico  
SAE J 744 tipo D**

**SAE J 744 - D Type**  
**direct coupling**



## MK- MKS Series: MK 40 - MK 45 - MK 50 - MKS 40 - MKS 45 - MKS 50

[illegible]

This diagram illustrates the assembly of the rear panel (1201) onto the main unit. The main unit is shown with several mounting holes. The rear panel (1201) is a rectangular plate with a central circular cutout. It is secured by a screw (1202) and a washer (1203). Additionally, a bracket (1150) is shown being attached to the side of the unit using a screw (1151) and a washer (1152).

|          |        |                     |
|----------|--------|---------------------|
| KIT 1150 | OUTLET | G 1" 1/4            |
| KIT 1151 | OUTLET | G 1" 1/4 - G 1" 1/2 |
| KIT 1152 | OUTLET | G 1" 1/4 - G 1" 1/4 |
| KIT 1201 | INLET  | -                   |
| KIT 1202 | INLET  | G 3"                |
| KIT 1203 | INLET  | O.D. Ø 90 mm E      |