

## **MAGRA**® - Switching distributor for various media in a single pipeline system

### Design with flange ballcocks

\_\_\_\_\_ (pieces) **MAGRA-Switching distributor with flange ball cocks, consists of:**  
Distributor chamber of steel with welded steel pipe sockets and flanges according to DIN 2633 PN 16.  
PN 16 ball valves of cast iron with teflon seals and lever.  
Distributors are pressure-tested and painted before despatch.  
The tank and burner connections are labeled with designation plates.

#### **Dimensions:**

Chamber size	Flange sockets	Distance between sockets
80/80 mm	up to DN 25	200 mm
80/80 mm	DN 32 + DN 40	250 mm
80/80 mm	DN 50	300 mm
120/120 mm	DN 65	300 mm
120/120 mm	DN 80	350 mm
160/160 mm	DN 100	400 mm

#### **Technical data:**

Size of tank connections ..... DN \_\_\_\_\_  
 Size of burner connections ..... DN \_\_\_\_\_  
 Number of tanks ..... \_\_\_\_\_ pcs.  
 Number of oil burners (connection of feed pump corresponds to one oil burner) ..... \_\_\_\_\_ pcs.  
 Max. operating pressure ..... \_\_\_\_\_ bar  
 Length of distributor ..... \_\_\_\_\_ mm  
 Material: \_\_\_\_\_ Wage: \_\_\_\_\_

\_\_\_\_\_ (pieces) **MAGRA-Tank blocking system** for above distributor.  
The mechanical tank blocking system ensures that only one tank is open at a time. Selection errors are avoided in this way.  
The tank blocking system must be mounted to the distributor in the factory.

Material: \_\_\_\_\_ Wage: \_\_\_\_\_

\_\_\_\_\_ (pieces) **MAGRA wall consoles 85, sound-insulated** for above distributor, consists of:  
wall panel for screw fixture and snap-action carrier arm. Projection 160 mm or 220 mm up to middle of distributor.  
Galvanised. Including screws, dowels and washers.

Material: \_\_\_\_\_ Wage: \_\_\_\_\_

\_\_\_\_\_ (pieces) **or MAGRA-Stand Consoles 85, height adjustable for above distributor, consists of:**  
Floor plate for screw fastening and section steel. Galvanised. Console height infinitely continuously adjustable from  
400 mm to 600 mm, including screws, dowels and washers.

Material: \_\_\_\_\_ Wage: \_\_\_\_\_

### Design with flange gate valves, electrical servomotors and control cabinet for fully automatic tank switching - see overleaf

# Description of products

## **MAGRA**® -Switching distributor for various media in a single pipeline system

### Design with flange gate valves, electrical servomotors and control cabinet for fully automatic tank switching

(pieces) MAGRA-Switching distributor for fully automatic tank switching, consists of: Distributor chamber of steel with welded steel pipe sockets and flanges according to DIN 2633 PN 16.  
On tank filling side, provided with gate valves of cast iron with paracril (type) sleeve and PN 16 counter flange, with pre-fitted servomotors (220 V AC), connecting terminals and manual adjustment facility. One servomotor is required for each tank.  
The fully automatic tank switching circuit ensures that only one tank can be open at a time.  
On burner side, PN 16 ball valves of cast iron with teflon seals and lever.  
Distributors are pressure-tested and painted before despatch. The tank and burner connections are labeled with designation plates.

#### Dimensions:

Chamber size	Flange sockets	Distance between sockets
80/80 mm	up to DN 40	200 mm
80/80 mm	DN 50	300 mm
120/120 mm	DN 65	300 mm
120/120 mm	DN 80	300 mm
160/160 mm	DN 100	300 mm

#### Technical data:

Size of tank connections .....	DN _____
Size of burner connections .....	DN _____
Number of tanks .....	_____ pcs.
Number of oil burners (connection of feed pump corresponds to one oil burner) .....	_____ pcs.
Max. operating pressure .....	_____ bar
Length of distributor .....	_____ mm
Material:	Wage:

(pieces) **MAGRA wall consoles 85, sound-insulated** for above distributor, consists of:  
wall panel for screw fixture and snap-action carrier arm. Projection 160 mm or 220 mm up to middle of distributor.  
Galvanised. Including screws, dowels and washers.

Material: Wage:

(pieces) or **MAGRA-Stand Consoles 85, height adjustable** for above distributor, consists of:  
Floor plate for screw fastening and section steel. Galvanised. Console height infinitely continuously adjustable from 400 mm to 600 mm, including screws, dowels and washers.

Material: Wage:

(pieces) **Control cabinet for fully automatic tank switching**, suitable for above MAGRA switching distributors.  
Strong aluminum housing with external mounting brackets, complete with mounting materials. Operating and monitoring lamps installed in cabinet door. Door layout subdivided in accordance with functional groups of instruments.  
Cable entry from below.  
Equipment identified by exchangeable, plug-fit plastic plates; including requisite control safeguards and switching equipment.  
Floating connection, with adjustable time lag relay (2 to 10 min.), for disconnection of burner/pump in the case of a fault.  
Including connection for external fault message.  
Wired and tested to VDE directives, ready for connection to marked terminal blocks, including control instruments, probes and provision of circuit diagram.

Colour: HE shingle grey  
Protection type: IP 52  
Operating voltage: 220 V, 50 Hz, 2,5 A.

#### Dimensions:

2 tanks	W = 530,	H = 410,	D = 315 mm	4 tanks	W = 530,	H = 770,	D = 315 mm
3 tanks	W = 770,	H = 410,	D = 315 mm	5 tanks	W = 770,	H = 770,	D = 315 mm

Number of servomotors (tanks) ..... \_\_\_\_\_ pcs.  
Material: Wage: