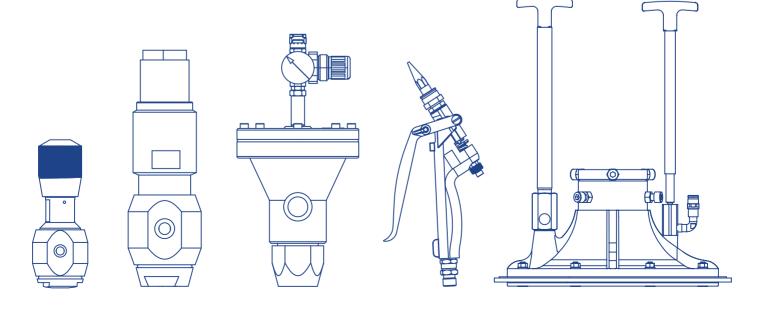


# ONE COMPONENT EXTRUSION ACCESSORIES







## SINGLE COMPONENT EXTRUSION ACCESSORIES

An extrusion system is not only a pump, it is a combination of different components to achieve the best process efficiency.

- Can handle a wide variety of viscous fluids at max. temperature of 80 °C and a flow delivery from 1 up to 24 l/min.
- Wide pumps range to meet any flow rate and pressure requirement.
- · Easy to integrate in any manufacturing process.
- · Long life pumps with reduced maintenance down times.
- · Quick drum change over.
- · Low maintenance cost.

#### **MATERIALS**

- Single component.
- Sealants, Adhesives, Glues.
- · Mastics, Epoxy, Acrylic.
- Silicone, Greases, Oils.
- · Heavy lubricants.
- · High solid materials.

#### **APPLICATIONS**

- Automotive and Aerospace assembly.
- · Railway vehicle manufacturing.
- Window, door manufacturing.
- Insulated glass supply.
- Home and commercial appliance assembly.
- Solar panel construction.
- Electronic manufacturing.

#### 1 AIR MOTOR

10" effective air motor ensures maximum pump power.

#### 2 PNEUMATIC CYLINDERS

Double acting cylinders exert downward force against the material, facilitating pump priming.

#### 3 FLOW REGULATOR

Flow regulators provide an accurate control of fluid pressure at the delivery point.

#### 4 POWER RAM

- Available as single or double post Ram.
- Fast and easy drum replacement.
- Optional empty drum sensor.

#### 5 PROVEN PISTON PUMP TECHNOLOGY

- Reliable pump operation.
- Constant pressures without fluctuations.
- Fast and easy pump maintenance.

#### 6 FOLLOWER PLATE

- Ensures constant product flow.
- Minimizes material waste

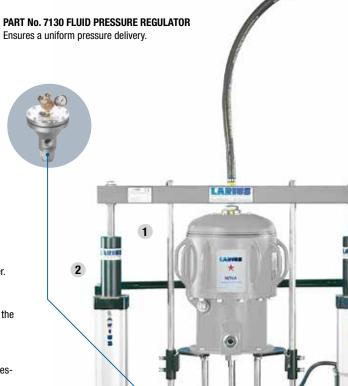
#### 7 EXCELLENT SEALING

- Leak-free performance.
- Protects material from dust and humidity.

#### PART No. K500030

to 1.100 kg force.

Extrusion package with air operated, two post double acting lift with follower plate. 7 bar maximum downward pressure, equivalent





#### PNEUMATIC LIFTS 200 LITRES WITH ACCESSORIES

PART No.	DESCRIPTION
K500110	Components:  • One post pneumatic lift 200 l drum  • Cover  • Rigid extension  • Pneumatic mixer  • Gear motor
K500120	Components:  • One post pneumatic lift 200 I drum  • Cover  • Rigid extension  • Pneumatic mixer

#### **DOUBLE ACTING AIR OPERATED EXTRUSION RAMS**

All extrusion Rams include an FRL unit for air supply control

PART No.	ТҮРЕ	DRUM Capacity	MAXIMUM - MINIMUM HEIGHT	AIR INLET	FOR USE WITH PUMPS	AIR POST SECTION
510650	One post	30 I	1.020 mm Close - 1.520 mm Open	3/8" BSPP (F)	VEGA 13:1 / 45:1 - GHIBLI 26:1	80 mm
510600	One post on trolley	30 I	920 mm Close - 1.420 mm Open	3/8" BSPP (F)	VEGA 13:1 / GHIBLI 26:1	80 mm
510500	One post	200 I	1.560 mm Close - 2.560 mm Open	3/8" BSPP (F)	VEGA 13:1 / 45:1 - GHIBLI 26:1	125 mm
510090	Two post	30 I	760 mm Close - 1.260 mm Open	3/8" BSPP (F)	VEGA 13:1 / 45:1 - GHIBLI 26:1	80 mm
510090/1	Two post	30 I	700 mm Close - 1.200 mm Open	3/8" BSPP (F)	OMEGA 28:1 / 40:1 NOVA 20:1 / 55:1	80 mm
510090/5	Two post	30 I	760 mm Close - 1.200 mm Open	3/8" BSPP (F)	SIRIO 22:1 / 33:1 / 60:1	80 mm
510000/1	Two post	200 I	1.560 mm Close - 2.660 mm Open	1" BSPP (F)	OMEGA 28:1 / 40:1 NOVA 20:1 / 55:1	100 mm
510000/2	Two post	200 I	1.560 mm Close - 2.660 mm Open	1" BSPP (F)	SIRIO 22:1 / 33:1 / 60:1	100 mm
510000/3	Two post	200 I	1.560 mm Close - 2.660 mm Open	1" BSPP (F)	VEGA 13:1 / 45:1- GHIBLI 26:1	100 mm
ENG.1057	Four post	1.000 l	2.540 mm Close - 4.230 mm Open	-	NOVA 20:1 / 55:1	200 mm



Power Ram 510090 with GHIBLI 26:1 pump and follower plate 510770



Power Ram 510650 with GHIBLI 26:1 pump and follower plate 510770



Power Ram 510600 with GHIBLI 26:1 pump and follower plate 510770



ENG. 1057 Power Ram 1000 I with NOVA 55:1 pump

All models include pump bracket and all necessary pump mounting accessories. Pump and follower plate are not included.

#### **WARNING!**

Before using maximum downward pressure check the drum or container maximum pressure.

#### PHASE A



System in lower position

## PHASE B



System in upper position - Drum placed under the follower plate





System goes down - Follower plate into the drum pushes the material into the pump



#### **FOLLOWER PLATES 30 LITRES PAIL**

Internal diameter from 285 to 290 mm

internal diameter from 200 to 200 min							
PART No.	MATERIAL	WIPER TYPE	WIPER MATERIAL	FOR USE WITH PUMPS			
510781	Aluminium	Single lip	SBR	VEGA 5:1 GHIBLI 10:1			
510781/1	Stainless steel	Single lip	SBR	VEGA 5:1 GHIBLI 10:1			
510760	Aluminium	Single lip	SBR	VEGA 45:1			
510760/1	Stainless steel	Single lip	SBR	VEGA 45:1			
510770	Aluminium	Single lip	SBR	VEGA 13:1 GHIBLI 26:1 SIRIO 60:1			
510770/1	Stainless steel	Single lip	SBR	VEGA 13:1 GHIBLI 26:1 SIRIO 60:1			
510750	Aluminium	Single lip	SBR	SIRIO 22:1 - 33:1 OMEGA 28:1 - 40:1 NOVA 55:1			
510750/1	Stainless steel	Single lip	SBR	SIRIO 22:1 - 33:1 OMEGA 28:1 - 40:1 NOVA 55:1			
510790 Ø FIXED DRUM 280 mm	Aluminium	Double hose	EPDM	SIRIO 22:1 - 33:1 OMEGA 28:1 - 40:1 NOVA 55:1			
510790/1 Ø FIXED DRUM 280 mm	Stainless steel	Double hose	EPDM	SIRIO 22:1 - 33:1 OMEGA 28:1 - 40:1 NOVA 55:1			



PART No. 510770



PART No. 510790

### **FOLLOWER PLATES 200 LITRES DRUMS**

With 572 mm internal diameter

PART No.	MATERIAL	WIPER Type	WIPER Material	FOR USE WITH PUMPS
510776	510776 Galvanized steel		NBR	VEGA 13:1 GHIBLI 26:1 SIRIO 60:1
510776/1	Stainless steel	Single lip	NBR	VEGA 13:1 GHIBLI 26:1 SIRIO 60:1
510100	Aluminium	Double hose	EPDM	SIRIO 22:1 - 33:1 OMEGA 28:1 - 40:1 NOVA 55:1



PART No. 510776



PART No. 510100

#### **FOLLOWER PLATE HEATING KITS**

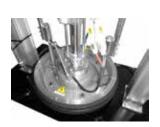
PART No.	DESCRIPTION
510098	Follower plate single lip wiper 30 I heating kit
510080	Follower plate double lip wiper 200 I heating kit



PART No. 510098



PART No. 510810



PART No. 510080



## PRESSURE REGULATORS

- Uniform product delivery even during pressure fluctuations
  Compact design with easy turn adjustment

#### **LOW PRESSURE REGULATORS**

PART No.	MATERIAL	SEAT MATERIALS	PRESSURE RANGE L/MIN DELIVERY	MAX. FLUID PRESSURE INLET	FLUID Inlet - Outlet	NOTES	SERVICE KIT PART No.
7190	Aluminium	Sintered carbide	0 - 14 bar 27 l/min	14 bar	3/8" BSPP (F) 1/4" BSPP (M)	Mechanical Viscous products	40404
7204	Stainless steel	Sintered carbide	0 - 14 bar 27 l/min	20 bar	3/8" BSPP (F) 1/4" BSPP (M)	Mechanical Viscous products Pressure gauge PTFE diaphragm	40404
7204/1	Stainless steel	Sintered carbide	0 - 14 bar 27 l/min	20 bar	3/8" BSPP (F) 1/4" BSPP (M)	Mechanical Viscous products Pressure gauge Nylon diaphragm	40404/1
7204/2	Stainless steel	Sintered carbide	0 - 14 bar 27 l/min	20 bar	3/8" BSPP (F) 1/4" BSPP (M)	Mechanical Viscous products Pressure gauge PTFE Diaphragm + Nylon Diaphragm	40404/2

#### **HIGH PRESSURE REGULATORS**

7050	Stainless steel	Sintered carbide	10 - 320 bar 7 I/min	350 bar	3/4" BSPP (F) 3/4" BSPP (F)	Mechanical Mastics	40341
7130	Galvanized steel	Sintered carbide	10 - 250 bar 7 l/min	400 bar	3/4" BSPP (F) 3/4" BSPP (M) Air inlet 1/4" BSPP (F)	Pneumatic Mastics	40343
7130/1	Stainless steel	Sintered carbide	10 - 250 bar 7 I/min	400 bar	3/4" BSPP (F) 3/4" BSPP (M) Air inlet 1/4" BSPP (F)	Pneumatic Mastics	40343
7040	Stainless steel	Sintered carbide	30 - 210 bar 13,50 l/min	210 bar	3/8" BSPP (F) 1/4" BSPP (F)	Mechanical High viscosity	40344
7040/2	Stainless steel	Sintered carbide	30 - 110 bar 13,50 l/min	110 bar	3/8" BSPP (F) 1/4" BSPP (F)	Mechanical High viscosity	40344
7040/3	Stainless steel	Sintered carbide	30 - 70 bar 13,50 l/min	70 bar	3/8" BSPP (F) 1/4" BSPP (F)	Mechanical High viscosity	40344
7030	Stainless steel	Sintered carbide	30 - 210 bar 13,50 l/min	210 bar	3/4" BSPP (F) 1/4" BSPP (F)	Mechanical Low viscosity	40342
7030/1	Stainless steel	Sintered carbide	30 - 110 bar 13,50 l/min	110 bar	3/4" BSPP (F) 1/4" BSPP (F)	Mechanical Low viscosity	40342
7030/2	Stainless steel	Sintered carbide	30 - 70 bar 13,50 l/min	70 bar	3/4" BSPP (F) 1/4" BSPP (F)	Mechanical Low viscosity	40342

#### **MATERIAL PRESSURE REGULATORS ELIMINATE VOLUME AND PRESSURE DELIVERY FLUCTUATIONS**

7130 PRESSURE REGULATORS MOUNTING KIT FOR 200 L DRUM

PART No.	DESCRIPTION					
K7130A	Mounting kit for NOVA - OMEGA - SIRIO 22:1 - 33:1 pumps					
K7130D	Mounting kit for SIRIO 60:1 - GHIBLI 26:1 pumps					
K7130V	Mounting kit for VEGA 45:1pump					
	7130 PRESSURE REGULATORS MOUNTING KIT FOR 30 L DRUM					
K7130B	Mounting kit for NOVA - OMEGA - SIRIO 22:1 - 33:1 pumps					
K7130C	Mounting kit for SIRIO 60:1 - GHIBLI 26:1 - VEGA 5:1 pumps					





Part No. 7050

Part No. 7040



#### **MANUAL EXTRUSION FLOW GUNS**

- · Precise control of viscous materials
- Complete range of changeable stainless steel nozzles to meet any application
- · Light weight and compact gun

MODEL	PART No.	MATERIAL	SEAT Material	MAX. FLUID Pressure	FLUID INLET	
EXT85	17500/1	Aluminium	Sintered carbide	280 bar	1/4" BSPP (F)	
EXT85	17500/2	Aluminium	Sintered carbide	280 bar	3/8" BSPP (F)	
EXT86	17600/1	Aluminium Oversized passages	Sintered carbide	280 bar	1/4" BSPP (F)	
EXT86	17600/2	Aluminium Oversized passages	Sintered carbide	280 bar	3/8" BSPP (F)	
EYTRUSION GUNS WITH INTERNAL AIR SWITCH						



Part No. EXT85 17500/1



Part No. LA96 11901

#### EXTRUSION GUNS WITH INTERNAL AIR SWITCH

LA96	11901	Aluminium	Sintered carbide	300 bar	1/4" BSPP (F)
LA96	11902	Aluminium	Sintered carbide	300 bar	3/8" BSPP (F)

Fluid Outlet Ø - Thread = UN 11/16" - 16 (M)

#### **AUTOMATIC EXTRUSION FLOW GUNS**

MODEL	PART No.	MATERIAL	SEAT Material	MAX. FLUID PRESSURE	FLUID INLET	FLUID OUTLET Ø - TREAD
LA96	11701/1	Aluminium	Sintered carbide	300 bar	1/4" BSPP (M)	UN 11/16" -16 (M)
LA96	11731/1	Stainless steel	Sintered carbide	300 bar	1/4" BSPP (M)	UN 11/16" -16 (M)



Part No. LA96 11701/1

#### **AUTOMATIC EXTRUSION FLOW GUNS WITH 1/4" - 3/8" FITTINGS**

MODEL	PART No.	MATERIAL	SEAT Material	MAX. FLUID PRESSURE	FLUID INLET	FLUID OUTLET Ø - TREAD
LA96	23340/5	Stainless steel, High flow Threaded sleeve 3/8" cylindrical Double effect	Sintered carbide	300 bar	On choice	3/8" BSPP (M)
LA96	23340/7	Stainless steel Double effect, standard sleeve	Sintered carbide	300 bar	On choice	UN 11/16" -16 (M)
LA96	11761	Stainless steel Conical closing Easy flow delivery adjustment Mechanical locking	Sintered carbide	300 bar	1/4" BSPP (M)	3/8" BSPP (M)
LHVG	23450	Stainless steel High viscosity	Sintered carbide	400 bar	On choice	3/8" BSPP (M)



Part No. LA96 23340/5



Part No. LA96 11761



Part No. LHVG 23450

#### 1/4" - 3/8" FITTINGS FOR AUTOMATIC GUNS

PART No.	DESCRIPTION
23340/1	3/8" BSPP fitting with non-return valve
23340/3	1/4" BSPP fitting with non-return valve
23340/2	1/4" BSPP fitting
23340/8	3/8" BSPP fitting



PART No.	DESCRIPTION
15025	"Z" articulated junction 1/4" High pressure 6 mm - 250 bar



#### STAINLESS STEEL EXTRUSION NOZZLES

PART No.	Ø ORIFICE
17531	1,5 mm
17532	2,0 mm
17533	2,5 mm



Part No. 17532



#### **EXTRUSION SYSTEM ACCESSORIES**

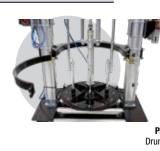
PART No.	DESCRIPTION
K500006	Stand-by management system: Two-level alarm Automatic exchange of the feeding system Pump block
500008	Empty drum alarm system with one level and blocking pump
K500007	Pneumatic pump blocking system for empty drum
510065	Drum Locking System for 200 I power ram
510505	Drum Locking System for 30 I power ram
200102	Drum Locking System with belts for 200 I power ram
510025	Plastic Drum Locking System for 30 I power ram
510413	Material level sensor
510060	Foldable roller conveyor for 200 I power ram
K500100	Roller conveyor with drum locking system for 200 I power ram
ENG1058	200 I single post elevator with drum cover, level sensor and roller conveyor
510001	Two-hand control for pneumatic ram
510001/1	Two-hand control bracket
ENG1040	Double post extrusion ram 30 l (Vega-Ghibli), two-hand control, material level sensor, air inlet plate safety valve
ENG1041	Double post extrusion ram 30 l (Nova - Omega), two-hand control, material level sensor, air inlet plate safety valve
ENG1042	Double post extrusion ram 200 I ( Vega-Ghibli), two-hand control, material level sensor, air inlet plate safety valve
ENG1043	Double post extrusion ram 200 I (Nova-Omega), two-hand control, material level sensor, air inlet plate safety valve

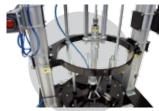


Stand - by silicone feeding station









Part No. 510065 Drum blocking system





Part No. 510025 Plastic drum lock

Part No. 510001 Two-hand control for pneumatic Power Ram

The integrated control unit ensures that the pump stops when the drum is empty. When the minimum level is reached, the pump will shut down automatically. An audible alarm advices when the drum is empty.



The Stand-By management system increases the productivity and reduces downtime caused by the lack of product.





#### **DOUBLE BRAID EXTRUSION HOSES**

Flexible stainless steel external structure for long life.

PART No.	DESCRIPTION	MAX. OPERATING PRESSURE	MIN. EXPLOSION PRESSURE
18086	PTFE hose 3/4" - 1 m Double braid - Stainless steel - FG 3/4" ZNB	140 bar	560 bar
18087	PTFE hose 3/4" - 3 m Double braid - Stainless steel - FG 3/4" ZNB	140 bar	560 bar
18088	PTFE hose 3/4" - 5 m Double braid - Stainless steel - FG 3/4" ZNB	140 bar	560 bar
18089	PTFE hose 3/4" - 7 m Double braid - Stainless steel - FG 3/4" ZNB	140 bar	560 bar
18090	PTFE hose 3/4" - 10 m Double braid - Stainless steel - FG 3/4" ZNB	140 bar	560 bar
18076	PTFE hose 1/2" - 1 m Double braid - Stainless steel - FG 1/2" ZNB	175 bar	700 bar
18083	PTFE hose 1/2" - 3 m Double braid - Stainless steel - FG 1/2" ZNB	175 bar	700 bar
18084	PTFE hose 1/2" - 5 m Double braid - Stainless steel - FG 1/2" ZNB	175 bar	700 bar
18085	PTFE hose 1/2" - 7 m Double braid - Stainless steel - FG 1/2" ZNB	175 bar	700 bar
18078	PTFE hose 1/2" - 10 m Double braid - Stainless steel - FG 1/2" ZNB	175 bar	700 bar
18082	PTFE hose 3/8" - 1 m Double braid - Stainless steel - FG 3/8" ZNB	210 bar	840 bar
18091	PTFE hose 3/8" - 3 m Double braid - Stainless steel - FG 3/8" ZNB	210 bar	840 bar
18093	PTFE hose 1/4" - 1 m Double braid - Stainless steel - FG 1/4" ZNB	250 bar	1.000 bar
18092	PTFE hose 1/4" - 3 m Double braid - Stainless steel - FG 1/4" ZNB	250 bar	1.000 bar



Internal hose in PTFE.

External reinforcement in AISI 304L with high tensile strength.

#### **HEATING ACCESSORIES**

PART No.	DESCRIPTION	
6099	Heater Complete unit with temperature adjustment of thermometer, heat probe, heater, fuse, thermomanual reset Stainless steel internal product ducts Supply voltage 230 V Max. current absorbed 10 A Power 2.200 W Max. operating pressure 300 bar Max. operating temperature 90 °C Flow capacity 60 I/h at 60 °C Inlet - Outlet 1/2" BSPT (M) - 1/2" BSPP (M) Weight 20 kg	, , , , , , , , , , , , , , , , , , , ,
6015	Heating band for hoses 1.000 x 10 cm Power 310 W Thermostat temperature control 40 °C	
6000	Drum heating blanket 30 I With electronic temperature control Surface temperature 0 - 90 °C Supply voltage 230 V Power 440 W Diameter 28/35 cm Height 42 cm	
6002	Drum heating blanket 30 I With electronic temperature control Fixed temperature 60 °C Supply voltage 230 V Power 440 W Diameter 28/35 cm Height 42 cm	ATEX certified EX II 3 G



PART No. 6099



PART No. 6015



#### **HEATING SYSTEMS**

PART No.	DESCRIPTION
6001	Drum heating blanket 200 I, includes temperature control Max. temperature 90 °C Supply voltage 230 V Power 1.500 W Diameter 57/65 cm Height 60 cm
6003	Drum heating blanket 200 I  Max. temperature 45 °C  Supply voltage 230 V  Power 650 W  Diameter 57/65 cm  Height 85 cm
6004	Drum heating blanket 200 l Max. temperature 90 °C Supply voltage 230 V Power 1500 W Diameter 57/65 cm Height 60 cm



PART No. 6001

#### **HEATING BASE DRUM**

PART No.	DESCRIPTION
6010	Diameter 55 cm Height 5 cm Electronic temperature control 0 - 100 °C



PART No. 6010

#### **ELECTRONIC CONTROL UNITS FOR INSULATION COVERS 200 L**

PART No.	DESCRIPTION
6008	Electronic temperature control unit for drum insulation cover 200 I Combined with PART No. 6004 – 6010
6009	Electronic control unit for drum insulation cover 200 I  Combined with PART No. 6003



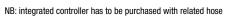
PART No. 6008

#### HEATED HOSES MAX. PRESSURE 250 BAR - 90 °C

PART No.	DESCRIPTION
WHA25051	1,5 m - 1/4" BSPP (F) - 1/4" BSPP (F)
WHA25151	5 m - 1/4" BSPP (F) - 1/4" BSPP (F)
WHA25251	7,5 m - 1/4" BSPP (F) - 1/4" BSPP (F)
WHA38051	1,5 m - 3/8" BSPP (F) - 3/8" BSPP (F)
WHA38151	5 m - 3/8" BSPP (F) - 3/8" BSPP (F)
WHA38251	7,5 m - 3/8" BSPP (F) - 3/8" BSPP (F)
WHA50051	1,5 m - 1/2" BSPP (F) - 1/2" BSPP (F)
WHA50151	5 m - 1/2" BSPP (F) - 1/2" BSPP (F)
WHA50251	7,5 m - 1/2" BSPP (F) - 1/2" BSPP (F)

#### **HEATED HOSES TEMPERATURE CONTROLLERS**

PART No.	DESCRIPTION
WTC40I	Integrated controller IP40
WTC40E	External controller IP40
WTC65E	External controller IP65
WTC65E-3	External controller IP65 - 3 users







#### **DOUBLE MALE THREAD CONNECTION ADAPTORS**

PART No.	DESCRIPTION
33011	3/8" BSPT (M) - 1/4" BSPP (M)
95230	3/8" BSPT (M) - 3/8" BSPP (M)
3106	1/2" BSPP (M) - 3/8" BSPP (M
3144	3/4" BSPT (M) - 1/2" BSPP (M)
95090	3/4" BSPT (M) - 3/4" BSPP (M)
3289	1/4" BSPP (M) - 1/4" BSPP (M)
8058	1/2" BSPP (M) - 1/2" BSPP (M)



**PART No. 3289** 



**PART No. 8058** 

#### **MALE - FEMALE CONNECTION ADAPTORS**

PART No.	DESCRIPTION
3373	1/2" BSPT (M) - 3/8" BSPP (F)
3558	3/4" BSPT (M) - 3/8" BSPP (F)
95314	1" BSPT (M) - 3/4" BSPP (F)



**PART No. 3373** 

#### **MALE - SWIVEL FEMALE CONNECTION ADAPTORS**

PART No.	DESCRIPTION
8069	3/8" BSPT (M) - 1/2" BSPP (FS)



**PART No. 8069** 

#### HIGH PRESSURE FLUID GAUGES. SWIVELS INCLUDED

PART No.	DESCRIPTION
148	- High pressure fluid gauge Ø 60 - Rear connection 1/2" BSPP (F) Double concentric scale 0 - 400 bar (0 - 5800 psi) - Swivels: 1/2" BSPP (F) - 1/2" BSPP (F)
150/2	- High pressure fluid gauge Ø 60 - Rear connection 3/8" BSPT (F) Double concentric scale 0 - 400 bar (0 - 5800 psi) - Swivels: 3/8" BSPP (M) - 3/8" BSPP (M)



Cod. 148



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