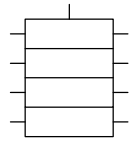


Steel with treated surface

Aisi 316

VP33/F
VP33/G



Block progressive distributor from 6 to 20 outlets

VP33/F - 0,07 cm³/imp. - 304.200.000
 VP33/G - 0,20 cm³/imp. - 304.300.000

General aspects

Distributors from series VP33 have been designed to be built as single block and they are suitable for use in central lubrication systems with grease or oil.

They operate according to the progressive system delivering the lubricant provided through the inlet towards the outlets.

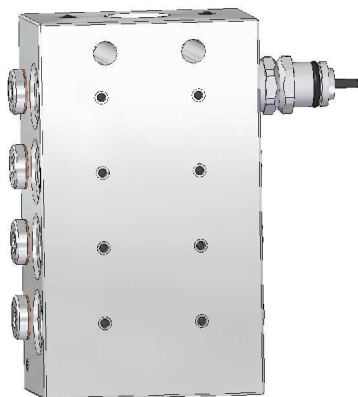
Depending on the stroke and outlet, 2 models are made:

- VP33/F with 0,07cm³
- VP33/G with 0,20cm³

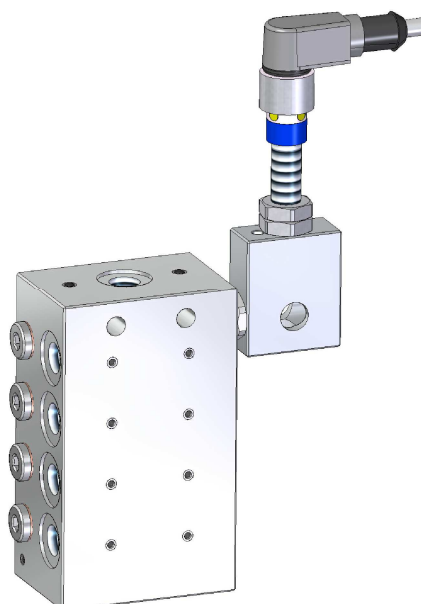
This ratio can be increased by combining outlets (plugging, bridging, etc.)

Options for monitoring:

- visual check
- electrical check with inductive sensor



Visual check



Electrical check with inductive sensor

Technical data

Output flow rate:

Model VP33/F 0,07 cm³/stroke
 Model VP33/G 0,20 cm³/stroke

Materials.....steel with treated surface
Aisi 316

Lubricants:

-oil..... from 30 cSt
 -grease..... up to NLGI 2

Working pressure..... 6 ÷ 250 bar
 Maximum number of cycles..... 200/minute
 Working temperature.....-20°C ÷ + 160°C

Maximum inlet flow:

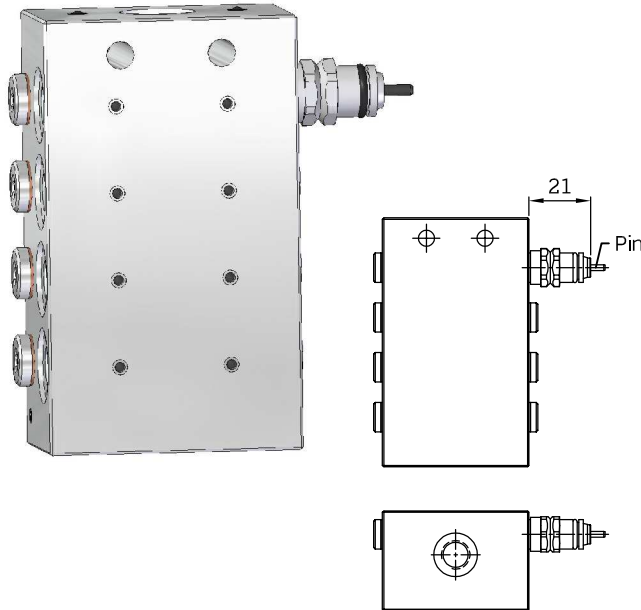
-oil..... 500 cm³/minute
 -grease.....10 cm³/minute

Threaded connections:

VP33/F.....entrada G 1/8 DIN 3852
salidas G 1/8 DIN 3852
 VP33/G.....entrada G 1/8 DIN 3852
salidas G 1/8 DIN 3852

Monitoring systems

The monitoring system is factory assembled next to the first outlet on the right side (nearest to the inlet on side R).



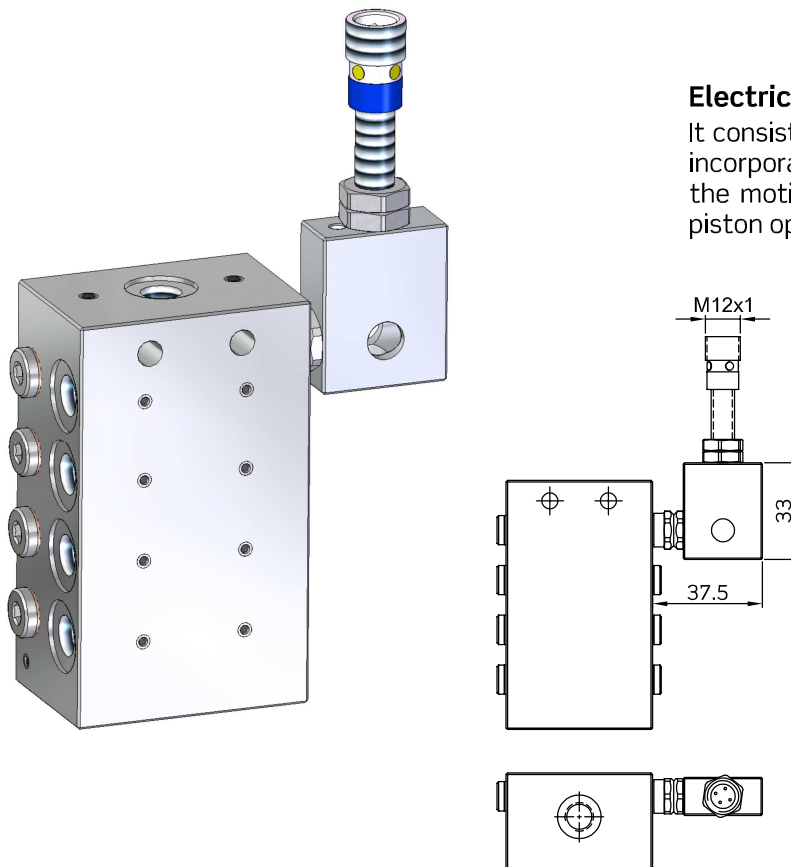
Visual check

The movement of a pin connected to the internal piston externalises the movements and enables to visually control the correct operation of the whole installation.

Monitoring with microswitch IP40 can be assembled subsequently on this visual control bracket.

Important: the visual control is not an after-sales supply element, it must be incorporated in-house at source.

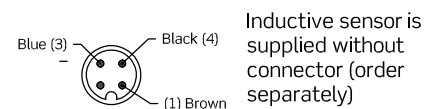
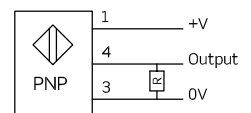
Working temperature..... -15°C ÷ +120°C



Electrical monitoring (inductive sensor)





It consists of an anodized aluminium body that incorporates an inductive sensor and detects the motion of a pin connected to the internal piston opening and closing the contact.

Function..... NO
 Voltage.....10 ÷ 30V
 Max. load admitted.....200 mA
 Protection..... IP65
 Temperature..... -10°C ÷ +70°C
 Connection.....connector M12 4 poles
 Max. number cycles.....500/minute



References for orders:

VP33 / X - 1 / X / X X / R=.... L=.... (add when outlet combination is required)

Material	X	Flow	N° of outlets	X	Outlets fittings	X	Monitoring system	X	
Steel with treated surface	F	0,07 cm3/stroke	6 outlets	3	Without	0	Without	0	
			8 outlets	4	Straight connector DIN 3852 	Ø4			4
			10 outlets	5		Straight quick coupling 	Ø4	R5	
	12 outlets	6	Ø6	R7					
	G	0,2 cm3/stroke	14 outlets	7	Elbow quick coupling 	Ø4	C8	Inductive sensor	6
			16 outlets	8		Ø6	C9		
Aisi 316			F6	0,07 cm3/stroke	18 outlets	9	Without	0	Without
Aisi 316	G6	0,2 cm3/stroke	20 outlets	10	Straight connector DIN 3852 	Ø4	4	Visual	4
			Ø6	6		Inductive sensor	6		

The monitoring system is factory assembled next to the first outlet on the right side (nearest to the inlet on side R).

Outlet combination

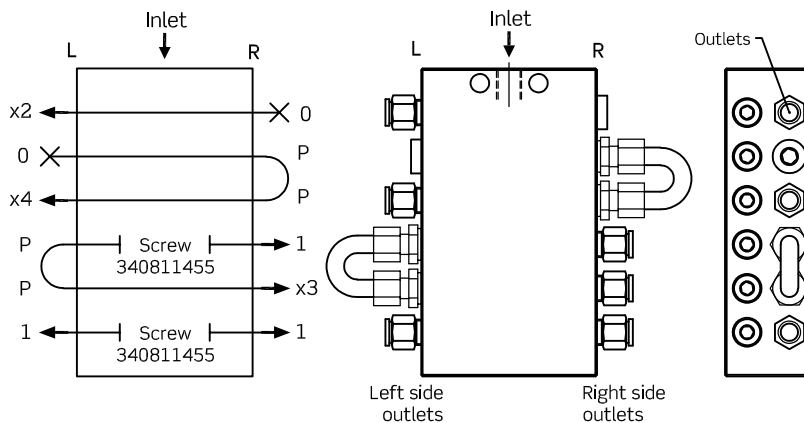
When the points to be lubricated are similar in size and/or consumption it is enough simply to connect each outlet to a point however if you would like to supply proportionally a higher flow rate to a point you will achieve this by bridging some outlets and trying combinations between them to reach the required flow rates.

We identify right side outlets as "R" and left side outlets as "L" (see diagram).

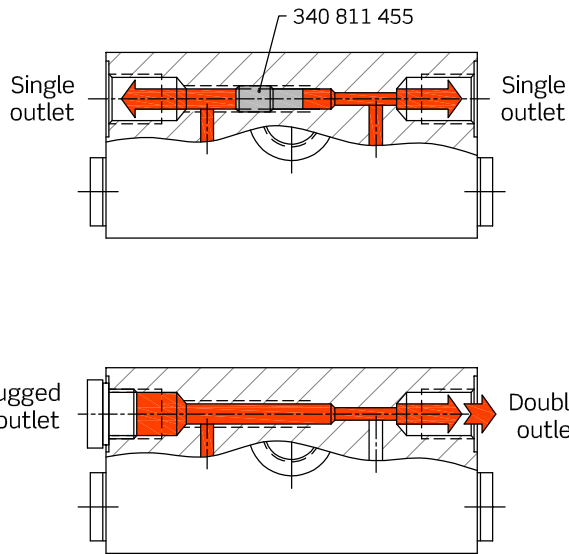
Order example

Progressive distributor, 0,2cm3 model, with straight quick coupling fittings for tube Ø6, and 12 combined outlets as per diagram

VP33/G-1/6/R70 / L204PP1-R0PP131



- 0 = Plugged outlet
- P = Outlet with bridge
- 1 = Simple outlet
- 2 = Outlet with double flow rate
- 3 = Outlet with triple flow rate
- 4 = Outlet with quadruple flow rate

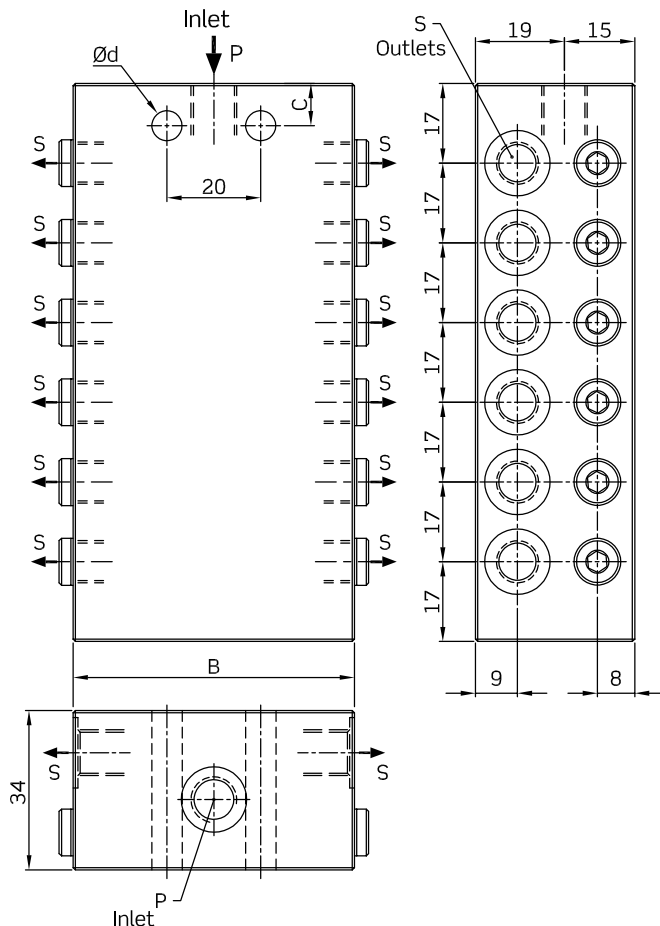


Outlet combination

Before plugging any outlet, the screw ref. 340.811.455 accommodated within the conduit that corresponds to that outlet, must be loosen and removed.
 (Use an Allen key number 2 for this purpose).

Important:

Do not plug any outlet without having removed the locking screw, otherwise the distributor **will be blocked** and will stop working.



Dimensions

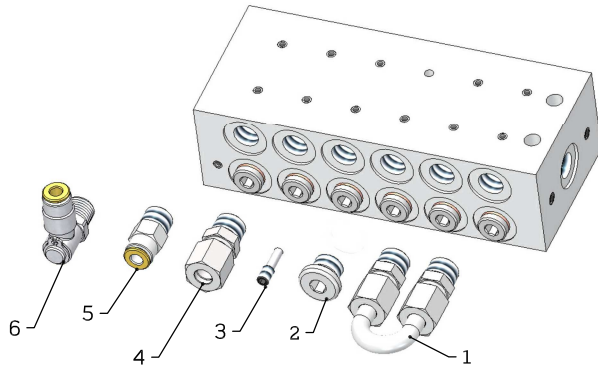
Model	N° of outlets	A	B	C	Ød
VP33/F	6	68	50	7	5,5
	8	85			
	10	102			
	12	119			
	14	136			
	16	153			
	18	170			
VP33/G	6	68	60	9	6,5
	8	85			
	10	102			
	12	119			
	14	136			
	16	153			
	18	170			
20	187				

Threads

Model	P Inlet	S Outlets
VP33/F	1/8 BSP DIN 3852	1/8 BSP DIN 3852
VP33/G	1/8 BSP DIN 3852	1/8 BSP DIN 3852

VP33/F VP33/G

Accessories and spare parts

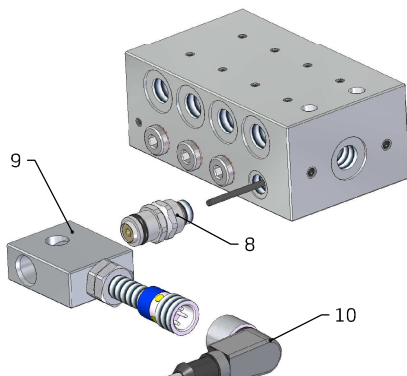


Pos.	Reference	Description
1	956 400 010	Bride unit (steel)
	956 406 010	Bridge unit (AISI 316)
2	955 702 102	Outlet plug (steel)
	955 702 102/AISI316	Outlet plug (AISI 316)
3	340 811 455	Z screw
4	950 300 001	Straight connector G1/8 Ø4LL (steel)
	950 300 005	Straight connector G1/8 Ø6L (acero)
	950 300 001/AISI316	Straight connector G1/8 Ø4LL (AISI)
5	954 100 045	Straight quick coupling G1/8 Ø4
	954 100 065	Straight quick coupling G1/8 Ø6
6	954 300 045	Elbow quick coupling G1/8 Ø4
	954 300 065	Elbow quick coupling G1/8 Ø6



Visual check

Pos.	Reference	Description
7	341 010 000	Bracket for visual control (steel)
	341 010 006	Bracket for visual control (Aisi)



Electrical check with inductive sensor

Pos.	Reference	Description
8	341 020 000	Bracket for inductive sensor (steel)
	341 020 006	Bracket for inductive sensor (Aisi)
9	341 210 000	Box without inductive sensor (aluminium)
	341 210 006	Box without inductive sensor (Aisi)
	341 225 000	Box with inductive sensor (aluminium)
	341 225 006	Box with inductive sensor (Aisi)
	913 901 040	Inductive sensor
10	913 806 607/ 5m	M12x1 elbow connector, 5m cable