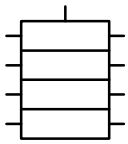
Polígono Ugarte, 15
20720 Azkoitia -Spain-
+34 943 852 600
intza@intza.com

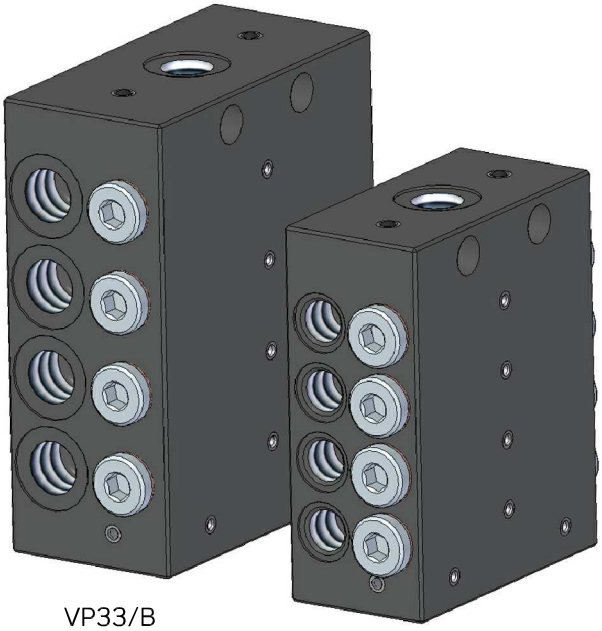
INTZA
LUBRICATION SYSTEMS

VP33/A
VP33/B



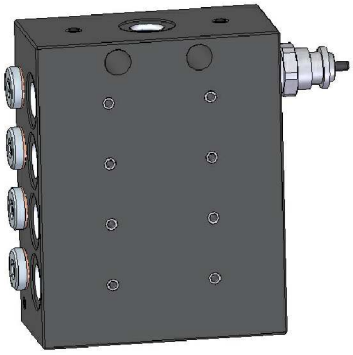
Block progressive distributor from 6 to 20 outlets

VP33/A - 0,07 cm3/stroke - 304.000.000
VP33/B - 0,20 cm3/stroke - 304.100.000

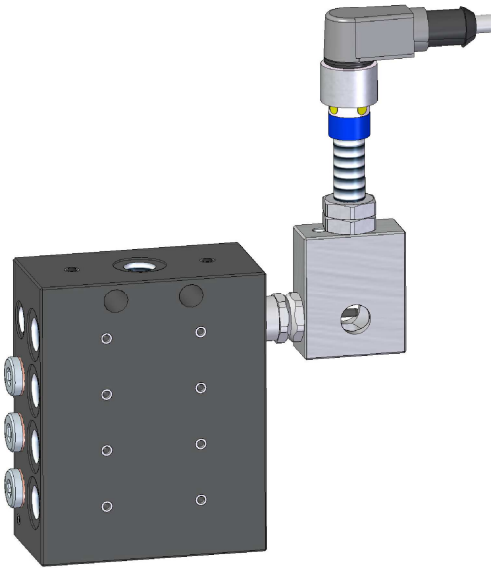


VP33/B

VP33/A



Visual check



Electrical check with inductive sensor

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/A with 0,07cm3
-VP33/B with 0,20cm3

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

Options for monitoring:
-visual check
-electrical check with microswitch
-electrical check with inductive sensor

Technical data

Output flow rate:
Model VP33/A 0,07 cm3/stroke
Model VP33/B 0,20 cm3/stroke

Material..... steel with treated surface

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

Working pressure..... 6 ÷ 150 bar
Maximum number of cycles..... 200/minute
Working temperature..... -20°C÷ + 80°C

MAximum inlet flow:
-oil..... 500 cm3/minute
-grease.....10 cm3/minute

Threaded connections:
VP33/A .....inlet G 1/8 DIN 3852
.....outlets M8x1 Ø4 DIN 2367
VP33/B .....inlet G 1/8 DIN 3852
.....outlets M10x1 Ø6 DIN 2367

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References for orders:

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

X	Flow
A	0,07 cm3/stroke
B	0,2 cm3/stroke

N° of outlets	X
6 outlets	3
8 outlets	4
10 outlets	5
12 outlets	6
14 outlets	7
16 outlets	8
18 outlets	9
20 outlets	10

Outlets fittings		X
Without		0
M8x1 Ø4 DIN 2367	Ø4 nylon pipe	5
	Ø4 rigid pipe	6
Straight quick coupling	Ø4	R4
Check valve	M-H M8x1	A
Without		0
M10x1 Ø6 DIN 2367	Ø6 nylon pipe	5
	Ø6 rigid pipe	6
Straight quick coupling	Ø4	R4
	Ø6	R6
Elbow quick coupling	Ø4	C4
	Ø6	C6
Check valve	M-H M10x1	A

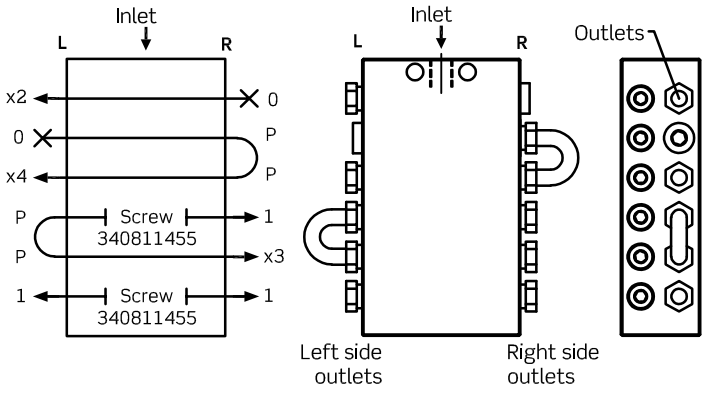
Monitoring system	X
Without	0
Visual	1
Micro IP40	2
Inductive sensor	3
Without	0
Visual	1
Micro IP40	2
Inductive sensor	3
Micro IP65	5

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).



- 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

Order example
Progressive distributor, 0,2cm3 model, with fittings and 12 combined outlets as per diagram

VP33/B-1/6-50 / L-2/0/4/P/P/1-R-0/P/P/1/3/1

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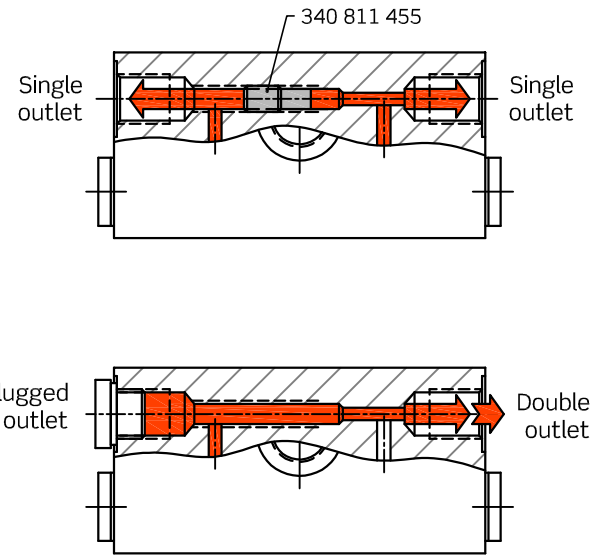
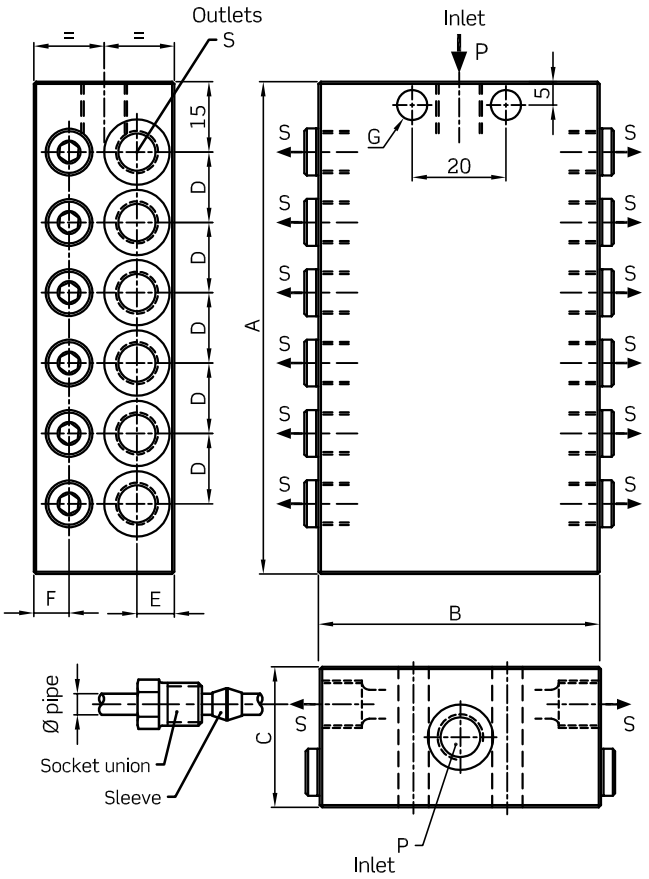


Outlet combination

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	D	E	7	G
VP33/A	6	50,5	50	25	11,5	6,5	6,5	Ø5,5
	8	62						
	10	73,5						
	12	85						
	14	96,5						
	16	108						
	18	119.5						
	20	131						
VP33/B	6	60	60	30	15	8	7,5	Ø6,5
	8	75						
	10	90						
	12	105						
	14	120						
	16	135						
	18	150						
	20	165						

Threads

Model	P Inlet	S Outlets	Outlet pipe Ø
VP33/A	G 1/8 DIN 3852	M8x1 DIN 2367	Ø4
VP33/B	G 1/8 DIN 3852	M10x1 DIN 2367	Ø6

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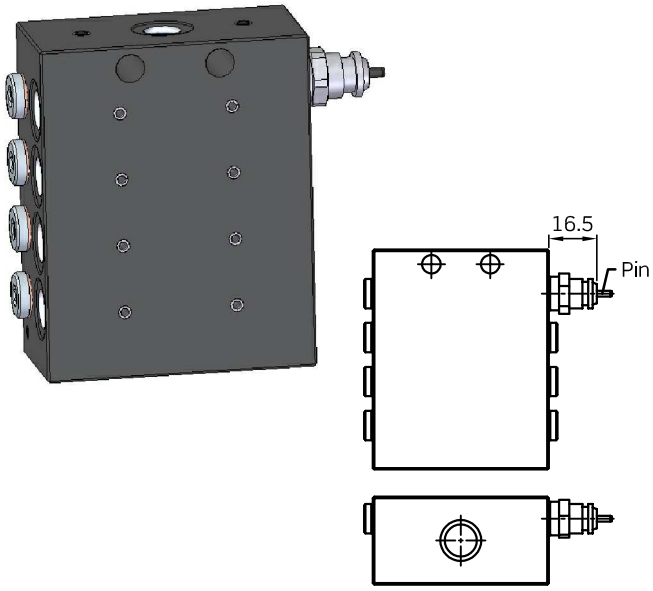


Monitoring systems

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

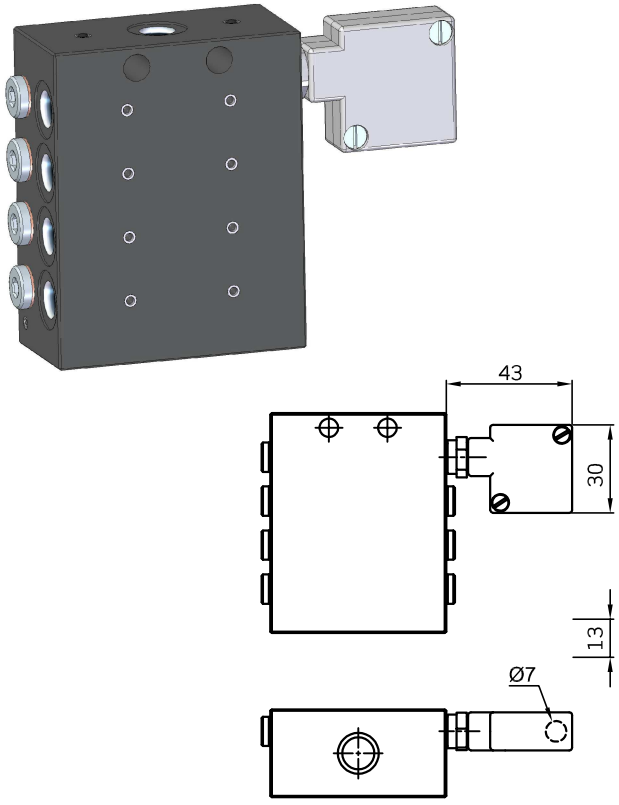
Visual check

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.

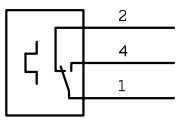
Working temperature..... -15°C ÷ +120°C



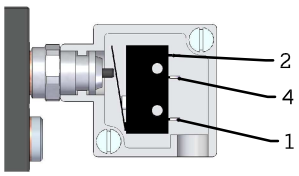
Electrical monitoring with micro (IP40)

It consists of an aluminium box with a cover and a microswitch inside that is driven through the movement of a pin connected to the internal piston.

The unit is adapted to the visual control bracket "1".



Microswitch..... 250V 5A
(EN61058 / UL1054)
Temperature..... -15°C ÷ +120°C
Protection degree..... IP40
Connection..... see figure
Max. number cycles...100/minute



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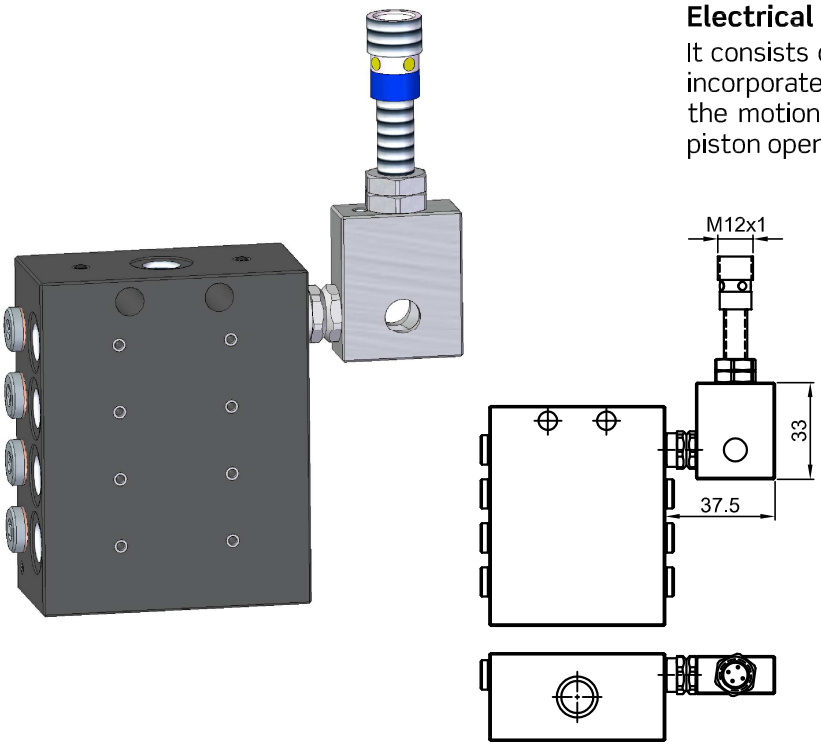
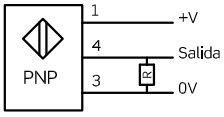
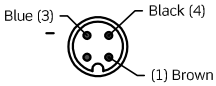


Electrical monitoring (inductive sensor)

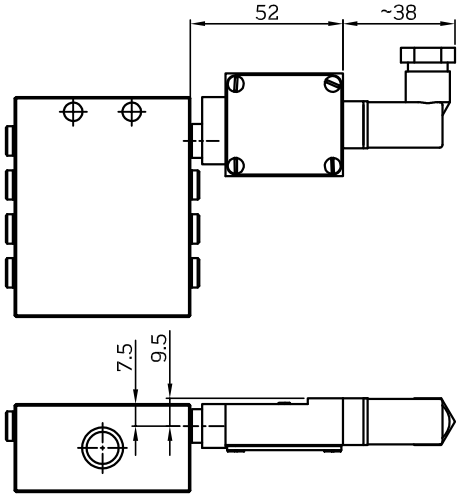
It consists of an anodized aluminium body that incorporates an inductive sensor and detects the motion of a pin connected to the internal piston opening and closing the contact.

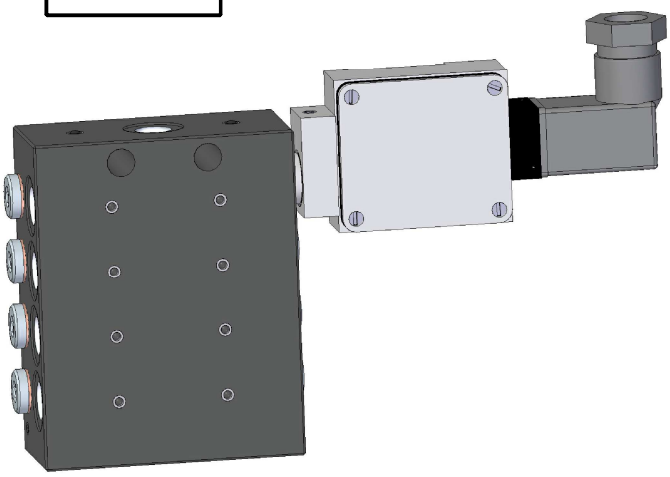
Function..... NO
Voltage..... 10 ÷ 30V
Max. load admitted..... 200 mA
Protection..... IP65
Temperature..... -10°C ÷ +70°C
Connection.....connector M12 4 poles
Max. number cycles..... 500/minute





Inductive sensor is supplied without connector (order separately)

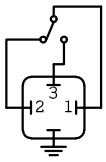




Electrical monitoring with micro (IP65)

It consists of an aluminium box with a cover and a microswitch inside that is driven through the movement of a pin connected to the internal piston.

Note: available only for size VP33/B

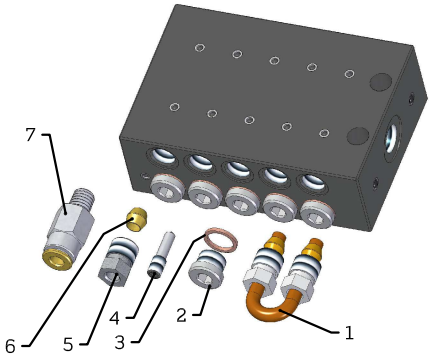


Micro..... 250V 5A (EN61058 / UL1054)
Temperature..... -15°C ÷ +120°C
Protection degree..... IP65
Connection.....DIN43650 3 poles PG7
Max. number cycles.....100/minute

Polígono Ugarte, 15
20720 Azkoitia -Spain-
+34 943 852 600
intza@intza.com

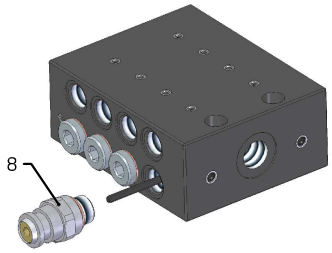
VP33/A

Accesories and spare parts



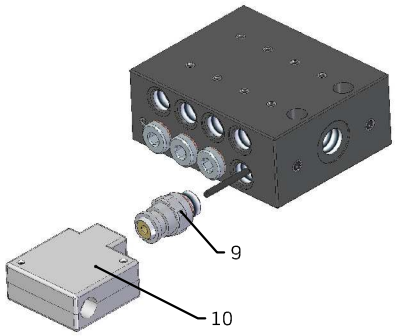
Pos.	Reference	Description
1	956 400 001	Bridge unit M8x1
2	955 701 211	Outlet plug M8x1
3	956 601 054	Whaser Ø8
4	340 811 455	Z screw
5	955 100 040	Socket union M8x1
6	955 200 040	Sleeve for rigid pipe Ø4
	955 204 040	Sleeve for nylon pipe Ø4
7	954 100 043	Straight quick coupling M8x1 Ø4
	954 100 063	Straight quick coupling M8x1 Ø6

Visual check



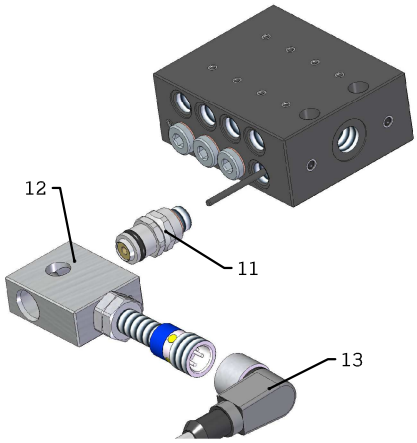
Pos.	Reference	Description
8	341 010 000	Bracket for visual control

Electrical check with microswitch (IP40)



Pos.	Reference	Description
9	341 010 000	Bracket for microswitch (IP40)
10	341 110 000	Box with microswitch (IP40)
	943 401 001	Microswitch

Electrical check with inductive sensor



Pos.	Reference	Description
11	341 020 000	Bracket for inductive sensor
12	341 210 000	Box without inductive sensor
	341 225 000	Box with inductive sensor
	913 901 040	Inductive sensor
13	913 806 607/ 5m	M12x1 elbow connector, 5m cable

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20720 Azkoitia -Spain-
+34 943 852 600
intza@intza.com

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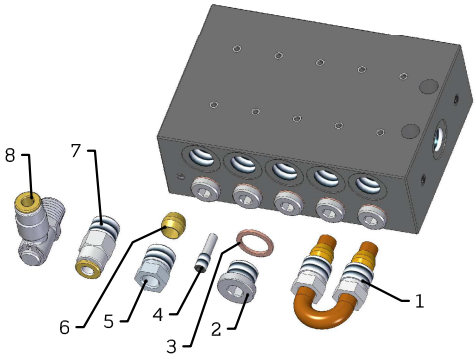
VP33/B

Accesories and spare parts

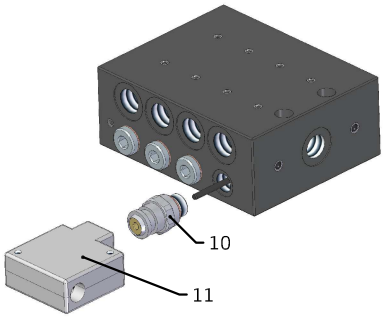


Pos.	Reference	Description
1	956 400 002	Bridge unit M10x1
2	955 701 222	Outlet plug M10x1
3	956 601 051	Whaser Ø10
4	340 811 455	Z screw
5	955 100 060	Socket union M10x1
6	955 200 060	Sleeve for rigid pipe Ø6
	955 204 060	Sleeve for nylon pipe Ø6
7	954 100 044	Straight quick coupling M10x1 Ø4
	954 100 064	Straight quick coupling M10x1 Ø6
8	954 300 044	Elbow quick coupling M10x1 Ø4
	954 300 064	Elbow quick coupling M10x1 Ø6

Visual check

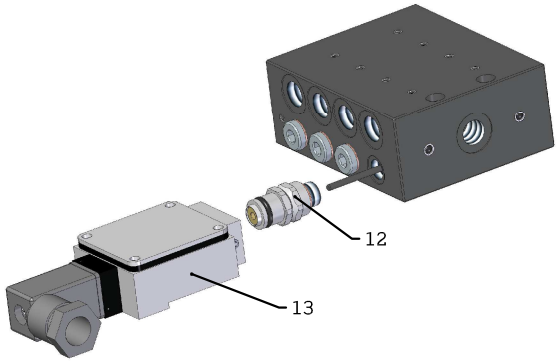
Pos.	Reference	Description
9	341 010 000	Bracket for visual control

Electrical check with microswitch (IP40)



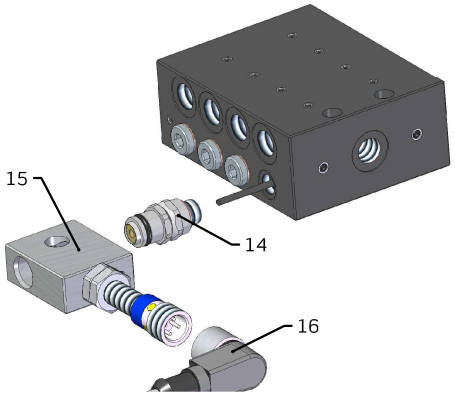
Pos.	Reference	Description
10	341 010 000	Bracket for microswitch (IP40)
11	341 110 000	Box with microswitch (IP40)
	943 401 001	Microswitch

Electrical check with microswitch (IP65)



Pos.	Reference	Description
12	341 020 000	Bracket for microswitch (IP65)
13	341 120 000	Box with microswitch and connector
	943 401 001	Microswitch

Electrical check with inductive sensor



Pos.	Reference	Description
14	341 020 000	Bracket for inductive sensor
15	341 210 000	Box without inductive sensor
	341 225 000	Box with inductive sensor
	913 901 040	Inductive sensor
16	913 806 607/ 5m	M12x1 elbow connector, 5m cable