

GENERAL PURPOSE CAMERA HOUSINGS, ACCESSORIES



OWBIP

SEALING RINGS

For cable management bracket
For WBOVA2 and WCM4A2 brackets
IP66/IP67



SEALING RINGS

ALARM TAMPER SWITCH

Tamper switch on board with tamper proof screws and key



ALARM TAMPER SWITCH

CAMERA POWER SUPPLY

Can be installed inside the housing
Available in different versions, 120/230Vac input and 24Vac/12Vdc output.



CAMERA POWER SUPPLY

HEATER

Thermostatically controlled heating element PTC 20W or 40W (Ton \leq 15°C(59°F); Toff \geq 22°C(72°F))
Available in 12Vdc/24Vac voltage or 120/230Vac voltage



HEATER

BLOWER WITH AIR FILTER

Thermostatically controlled cooling blower Ton \geq 35°C (95°F); Toff \leq 20°C (68°F) and filter
Available in 12Vdc, 24Vac and 230Vac versions



BLOWER WITH AIR FILTER

OHEGBB

WEATHERPROOF JUNCTION BOX

IP55

For housing of wiring harnesses or auxiliary boards



WEATHERPROOF JUNCTION BOX

VIP6A

WIPER FOR HEG

Can be directly installed on the housing body

Including the support for the washing pump injector

Available in 24Vac and 230Vac, 7W max

For HEG housings series



WIPER FOR HEG

RETROFIT IPM

KIT RETROFIT WITH IPM TECHNOLOGY ON VERSO AND HOV HOUSINGS

IPM technology (Intelligent Power Management)

PoE/Hi-PoE power supply for heating, demisting, illuminator, fan and PoE network camera

Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus



HI-POE IPM (INTELLIGENT POWER MANAGEMENT) MODULE

WAS-WASPT

5 OR 23 LITER TANK WITH PUMP

Polyethylene tank with stainless steel cage

Versions with delivery up to 5m (16ft), 11m (36ft) or 30m (98ft)

Versions with alarm for the lack of liquid in the tank

Also for third-party products

Operating temperature: from -10°C (14°F) up to +60°C (140°F)

Available voltages in 230Vac, 120Vac or 24Vac

IP protection degree: IP66 (only products with 5m or 11m delivery head)



WASHERS AND TANKS

TECHNICAL DATA

OWBIP

GENERAL

For cable management bracket
For WBOVA2 and WCM4A2 brackets
IP66/IP67

PART NUMBER

OWBIP2	Sealing rings kit (3xM16) IP66/IP67 for WBOVA2 and WCM4A2 brackets for PUNTO, HOV, HTV, HTC, VERSO, VERSO POLAR, VERSO COMPACT, HEB, HEK housings
OWBIP3	Sealing rings kit (1xM12 - 1xM16 - 1xM20) IP66/IP67 for WBOVA2 and WCM4A2 brackets for VERSO Hi-PoE IPM and HOV Hi-PoE IPM housings

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
OWBIP	0.04kg (0.09lb)	8.5x5.5x11.5cm (3.4x2.2x4.5in)	30

RATIO BETWEEN THE DIMENSIONS OF THE SEALING RINGS AND THE DIAMETER OF THE USABLE CABLES

Sealing ring	Ø passage hole (mm)	Ø cable (mm)
M12	12.5	From 4 up to 7
M16	16.5	From 5 up to 9
M20	20.5	From 8 up to 12
PG9	16	From 3 up to 5
PG11	19	From 5 up to 7

Alarm tamper switch

GENERAL

Tamper switch on board with tamper proof screws and key

PART NUMBER

OHOVTA1	Tamper switch on board with tamper proof screws and key for HOV housing
OHPVTA1	Tamper switch on board with tamper proof screws and key for VERSO housing

Camera power supply

ELECTRICAL

Camera power supply:

IN 100-240Vac, 50/60Hz - OUT 12Vdc, 1.25A
IN 230Vac, 50/60Hz - OUT 12Vdc, 400mA
IN 230Vac, 50Hz - OUT 24Vac, 50Hz, 400mA

Camera power supply in weatherproof box:

IN 100-240Vac, 50/60Hz - OUT 12Vdc, 1.25A
IN 230Vac, 50Hz - OUT 24Vac, 50Hz, 400mA

PART NUMBER

OHOTPS1	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, for PUNTO housing
OHOTPS2	Camera power supply IN 230Vac - OUT 24Vac, 400mA, for PUNTO housing
OHOVPS1B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, for HOV and HTV housing
OHOVPS2B	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HOV and HTV housings
OHEPS19B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, for VERSO, VERSO POLAR, VERSO COMPACT, HEG, HTG housings
OHEPS20	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for VERSO, VERSO POLAR, VERSO COMPACT, HEG, HTG housings
OHEPS01B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, for HEB housing
OHEPS02B	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEB housing
OHEPS22	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, for AVTPSC and AVTPSK housings
OHEPS23	Camera power supply IN 230Vac - OUT 24Vac, 400mA, for AVTPSC and AVTPSK housings
OHEPS24	Camera power supply IN 230Vac, 50/60Hz - OUT 12Vdc, 400mA
OHEPS25	Camera power supply IN 230Vac, 50/60Hz - OUT 24Vac, 400mA
OHEPS10B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, for HEK housing
OHEPS11B	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEK housing
OHEPS05	Camera power supply IN 230Vac - OUT 12Vdc, 10VA/5W, for HEA and HEM housings
OHEPS06	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEA and HEM housings
OHEGBPS1B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 1.25A, in weatherproof box, for VERSO, VERSO POLAR, HEG, HTG housings
OHEGBPS2B	Camera power supply IN 230Vac - OUT 24Vac in weatherproof box, 10VA, for VERSO, VERSO POLAR, HEG, HTG housings
ONXPS1B	Wide range power supply for camera IN 100-240Vac - OUT 12Vdc, 1.25A
ONXPS2B	Camera power supply IN 230Vac - OUT 24Vac, 400mA

Heater

ELECTRICAL

IN 12Vdc/24Vac, power consumption 20W max

IN 120Vac/230Vac, power consumption 40W max

PART NUMBER

OHEH26	Heater 120Vac/230Vac for HOV, HTV, VERSO, VERSO COMPACT housings
OHEH27	Heating 12Vdc/24Vac for HOV, HTV, HTC, VERSO and VERSO COMPACT housings
OHEH24B	Heater 120/230Vac for HEG, HTG housings
OHEH25B	Heater 12Vdc/24Vac for HEG, HTG housings
OHEH01B	Heater 12Vdc/24Vac for HEB, HEK housings
OHEH02B	Heater 120/230Vac for HEB, HEK housings
OHEH05B	Heater 12Vdc/24Vac
OHEH06B	Heater 120/230Vac
ONXLH1	Heater 120/230Vac
ONXLH2	Heater 12Vdc/24Vac

Blower with air filter

ELECTRICAL

Blower with thermostat and air filter, (Ton >= 35°C; Toff <= 20°C)

IN 12Vdc, consumption 4W max

IN 24Vac, consumption 4W max

IN 230Vac, consumption 4W max, complete with voltage transformer

Not compatible with bracket with internal cable channel

PART NUMBER

OHEBF1	Blower with thermostat and air filter IN 12Vdc, for HEB housing, not compatible with WBOVA2 and WBOV3A2 brackets
OHEBF2	Blower with thermostat and air filter IN 24Vac, for HEB housing, not compatible with WBOVA2 and WBOV3A2 brackets
OHEBF3	Blower with thermostat and air filter IN 230Vac, for HEB housing, not compatible with WBOVA2 and WBOV3A2 brackets

OHEGBB

GENERAL

4 PG9 cable glands

IP55

Unit weight: 0.4kg (0,9lb)

PART NUMBER

OHEGBB Weatherproof junction box

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
OHEGBB	0.6kg (1.3lb)	17x35x13cm (6.7x13.8x5in)	16

VIP6A

MECHANICAL

Enclosure from reinforced polypropylene

Wiper blade constructed from stainless steel/aluminium

RAL9002 Colour

Dimensions (WxHxL): 99x114x209mm (3.9x4.5x8.2in) (not comprehensive of blade)

Unit weight: 0.7kg (1,5lb)

ELECTRICAL

Connector 3+1 PINS

IN 230Vac, consumption 7W max

IN 24Vac, consumption 7W max

ENVIRONMENT

Operating temperature: from -20°C (-4°F) up to +60°C (140°F)

CERTIFICATIONS

IP66

EAC certification

PART NUMBER

VIP6A1 Wiper 230Vac for HEG housings

VIP6A2 Wiper 24Vac for HEG housings

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
VIP6A1	0.9kg (2lb)	14.5x15x27cm (6x6x11in)	15

Retrofit IPM

ELECTRICAL

Power absorbed in input: PoE class 3 (13W) or Hi-PoE class 4 (25W) selectable from dip switch

Available power for camera (PoE IN class 3): PoE Class 2 (7W)

Available power for camera (Hi-PoE IN class 4): PoE class 3 (13W) with Ton $-10^{\circ}\text{C} \pm 2^{\circ}\text{C}$ "cold start" function

Data line: 10/100Base-T

Illuminator GEKO IRH, low power: 6W

Heater: 8W, electronically controlled, Ton $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($68^{\circ}\text{F} \pm 4^{\circ}\text{F}$), Toff $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($73.4^{\circ}\text{F} \pm 4^{\circ}\text{F}$)

Fan with thermostat for camera cooling for versions with double air filter: Ton $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($95^{\circ}\text{F} \pm 4^{\circ}\text{F}$), Toff $32^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($89.6^{\circ}\text{F} \pm 4^{\circ}\text{F}$)

Demisting with forced hot air: 5W

Anti-icing heated glass (HOV housing): 5W, Ton $30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($86^{\circ}\text{F} \pm 4^{\circ}\text{F}$), Toff $33^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($91.4^{\circ}\text{F} \pm 4^{\circ}\text{F}$)

Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus

Compatible with the Power Injector (OHEPOWINJ: VIDEOTEC optional accessory)

PART NUMBER

OHOVPOEIPM Kit retrofit for IPM technology on HOV housing

OHPVPOEIPM Kit retrofit with IPM technology on VERSO housing

WAS-WASPT

Washer pump, tank of 5l (1.3gal), 5m (16ft) delivery

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 217x272x257mm (8.5x10.7x10.1in)

Cable glands: 1xM20 + 3xM16

Unit weight: 3.5kg (7.7lb) (WAS), 3.8kg (8.4lb) (WASPT)

Water tank capacity: 5l (1.3gal)

Delivery head: 5m (16ft) max

Tube length: 5m (16ft)

Supply voltage/Current consumption:

- 230Vac, 0.3A, 50/60Hz
- 120Vac, 0.6A, 50/60Hz
- 24Vac, 1.8A, 50/60Hz

Operating temperature

- Maximum temperature: 60°C (140°F)
- Minimum temperature with antifreeze liquid in solution: -10°C (14°F)
- Minimum temperature with antifreeze liquid in solution (reduced performance and delivery height): -25°C (-13°F)

Electrical safety (CE): EN60950-1

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3, EN55032 (Class B), FCC Part 15 (Class B)

Outdoor installation (CE): EN60950-22

IP protection degree (EN60529):

- IP66

EAC certification

Washer pump, tank of 23l (6gal), 5m (16ft) delivery

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 301x410x348mm (11.8x16.1x13.7in)

Cable glands: 1xM20 + 3xM16

Unit weight: 5.4kg (11.9lb) (WAS), 5.5kg (12.1lb) (WASPT)

Water tank capacity: 23l (6gal)

Delivery head: 5m (16ft) max

Tube length: 5m (16ft)

Supply voltage/Current consumption:

- 230Vac, 0.3A, 50/60Hz
- 120Vac, 0.6A, 50/60Hz
- 24Vac, 1.8A, 50/60Hz

Operating temperature

- Maximum temperature: 60°C (140°F)
- Minimum temperature with antifreeze liquid in solution: -10°C (14°F)
- Minimum temperature with antifreeze liquid in solution (reduced performance and delivery height): -25°C (-13°F)

Electrical safety (CE): EN60950-1

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3, EN55032 (Class B), FCC Part 15 (Class B)

Outdoor installation (CE): EN60950-22

IP protection degree (EN60529):

- IP66

EAC certification

Washer pump, tank of 23l (6gal), 11m (36ft) delivery

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 301x410x348mm (11.8x16.1x13.7in)

Cable glands: 1xM20 + 3xM16

Unit weight: 5.9kg (13lb) (WAS), 6.7kg (14.8lb) (WASPT)

Switch for liquid level (except for 11m version of WAS series)

Water tank capacity: 23l (6gal)

Delivery head: 11m (36ft) max

Tube length: 11m (36ft)

Supply voltage/Current consumption:

- 230Vac, 0.5A, 50/60Hz
- 120Vac, 1A, 50/60Hz
- 24Vac, 3.8A, 50/60Hz

Alarm outputs:

- Auto-powered: 1
- Dry contact: 1

Operating temperature

- Maximum temperature: 60°C (140°F)
- Minimum temperature with antifreeze liquid in solution: -10°C (14°F)
- Minimum temperature with antifreeze liquid in solution (reduced performance and delivery height): -25°C (-13°F)

Electrical safety (CE): EN60950-1

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3, EN55032, (Class B), FCC Part 15 (Class B)

Outdoor installation (CE): EN60950-22

IP protection degree (EN60529):

- IP66

EAC certification

Marine Certification: Lloyd's Register Marine Type Approval (only for the 11m version in the WASPT series)

Washer pump, tank of 23l (6gal), 30m (98ft) delivery

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 301x620x348mm (11.9x24.4x13.7in)

Cable glands: 1xM20 + 3xM16

Unit weight: 13.9kg (30.6lb) (WAS), 15.1kg (33.3lb) (WASPT)

Water tank capacity: 23l (6gal)

Delivery head: 30m (98ft) max

Tube length: 30m (98ft)

Switch for liquid level

Supply voltage/Current consumption:

- 230Vac, 2A, 50/60Hz
- 120Vac, 4.5A, 60Hz

Alarm outputs:

- Auto-powered: 1
- Dry contact: 1

Operating temperature

- Maximum temperature: 60°C (140°F)
- Minimum temperature with antifreeze liquid in solution: -10°C (14°F)

Electrical safety (CE): EN60950-1

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3, EN55032, (Class B), FCC Part 15 (Class B)

IP protection degree (EN60529):

- IPX4

EAC certification

DTWRX

Board for remote control of wiper and washer pump with WASPT

2 functions: WIPER, WASHER

31 selectable addresses through DIP switch

Serial input RS-485

2 status LED: Stand-by and receiver control

Dimensions: 43x56x13mm (1.7x2.2x0.51in)

Unit weight: 0.02kg

Power consumption: 0.5W

Half duplex RS-485 serial interface for keypad telemetry data reception (maximum distance 1200m/3940ft) and from SM matrix range (maximum distance 1200m/3940ft)

Protocols:

- PELCO D (2400, 9600 baud)
- VIDEOTEC MACRO (9600, 38400 baud)

For installation indoors and outdoors

Operating temperature: from -25°C up to +60°C

Electrical safety (CE): EN60950-1

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3, FCC Part 15 (Class B)

EAC certification

PART NUMBER

WASOV5L5M00	Water tank 5l (1 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASOV23L5M00	Water tank 23l (6 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASOV23L11M00	Water tank 23l (6 gal), pump with delivery up to 11m (36ft), IN 230Vac-24Vac-120Vac
WAS1V23L30M00	Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac
WAS3V23L30M00	Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 120Vac
WASPTOV5L5M00	Water tank 5l (1 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASPTOV23L5M00	Water tank 23l (6 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASPTOV23L11M00	Water tank 23l (6 gal), pump with delivery up to 11m (36ft) with water floating, IN 230Vac-24Vac-120Vac
WASPT1V23L30M00	Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac
WASPT3V23L30M00	Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 120Vac

ACCESSORIES

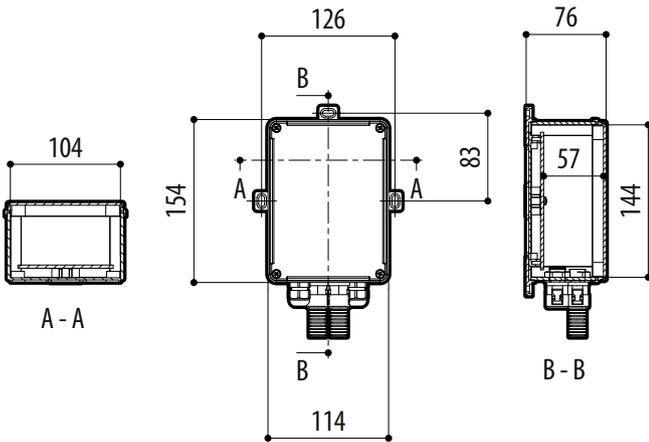
DTWRX	Data receiver for remote control of the wiper and WASPT range pumps in stand-alone housings
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PACKAGE

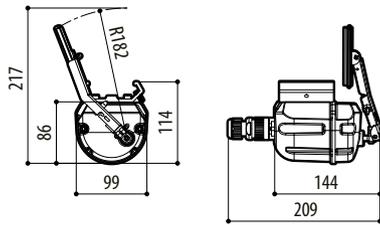
Model Number	Weight	Dimensions (WxHxL)	Master carton
WASOV5L5M00	4kg (8.8lb)	31x31x22cm	4
WASOV23L5M00	6.2kg (13.7lb)	32x37.5x51cm	-
WASOV23L11M00	5.9kg (13lb)	32x37.5x51cm	-
WAS1V23L30M00	13.1kg (28.9lb)	38x32x79cm (15x12.6x31.1in)	-
WASPTOV5L5M00	4.3kg	31x31x22cm	-
WASPTOV23L5M00	6.4kg (14lb)	32x37.5x51cm	-
WASPTOV23L11M00	7.5kg (16.5lb)	32x37.5x51cm	-
WASPT1V23L30M00	15.4kg	38x22x79cm	-

TECHNICAL DRAWINGS

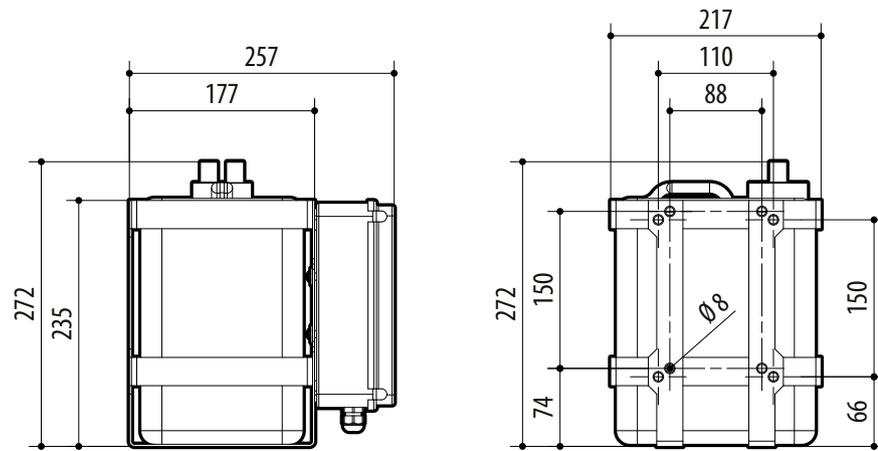
The dimensions of the drawings are in millimetres.



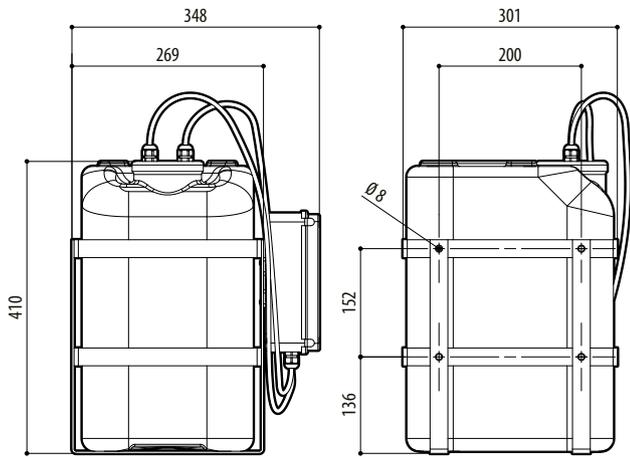
OHEG6B



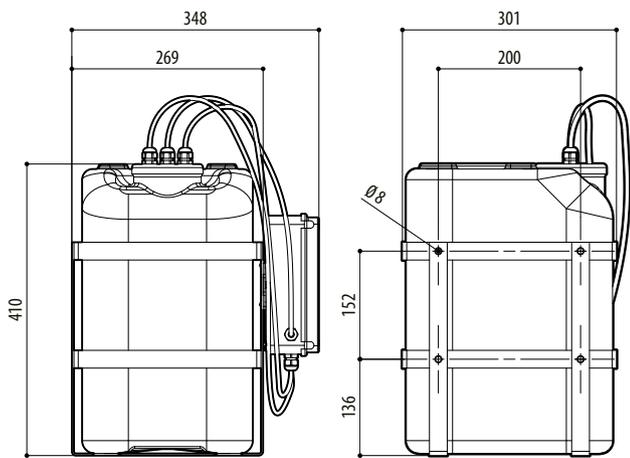
VIP6A



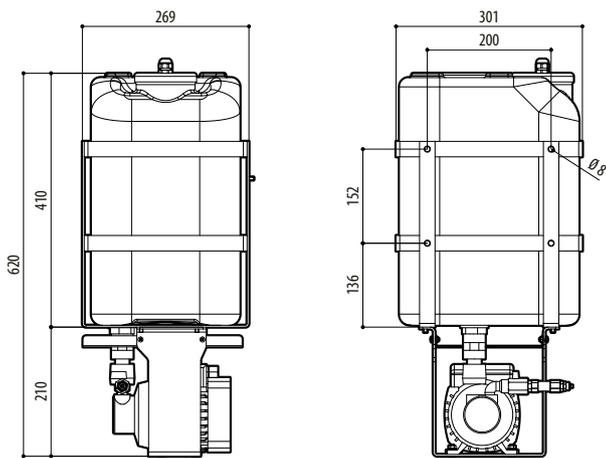
WATER TANK 5L (1.3GAL), 5M (16FT) DELIVERY (WAS-WASPT)



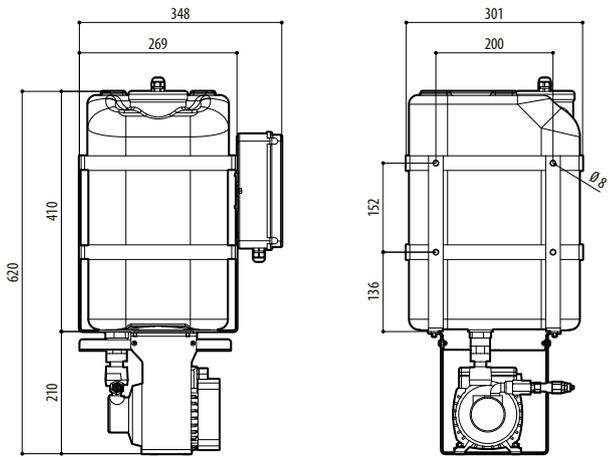
WATER TANK 23L (6GAL), 5M (16FT) DELIVERY (WAS-WASPT) Ø 11M (36FT) (WAS)



WATER TANK 23L (6GAL), 11M (36FT) DELIVERY (WASPT)



WATER TANK 23L (6GAL), 30M (98FT) DELIVERY (WAS)



WATER TANK 23L (6GAL), 30M (98FT) DELIVERY (WASPT)