

ACCESSORIES FOR CAMERA HOUSINGS

REVISION 1205

SUNSHIELD

Protection against solar rays and reduction of the temperature inside the housing
Reduction of the housing's internal temperature
Recommended for outdoor installations

HEATING

Thermostatically controlled heating element PTC 20W or 40W (Ton $\leq 15^{\circ}\text{C}$; Toff $\geq 22^{\circ}\text{C}$)
Available in 12Vdc/24Vac voltage or 115/230Vac voltage

CAMERA POWER SUPPLY CIRCUIT

It can be installed inside the housing
Available in different versions, 115/230Vac input and 24Vac/12Vdc output.

BLOWER WITH AIR FILTER

With thermostatically controlled cooling blower Ton $\geq 35^{\circ}\text{C}$ (95°F); Toff $\leq 20^{\circ}\text{C}$ (68°F) and filter
Available in 12Vdc, 24Vac and 230Vac versions
Suitable for HEP, HEK, HEB housings

FAN ASSISTED HEATER

Forced air circulation
Homogeneous temperature inside the housing
For VERSO, VERSO COMPACT and HOV housings series

OHGEBB- WEATHERPROOF JUNCTION BOX

IP55
For housing of wiring harnesses or auxiliary cards

VIP6A- WIPER FOR HEG

It 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

WAS - WASPT- WASHER AND RESERVOIR 5/23L (1.3 OR 6GAL)

Glass washing kit available with 5l or 23l (1.3 or 6gal) reservoir
Versions with delivery up to 5m (16ft), 11m (36ft), 30m (98ft)
The pump is available in 230Vac, 24Vac or 120Vac (WASPT- series, prearranged for DTWRX board for the remote control)
In the 11m and 30m delivery versions the lack of liquid in the tank is signalled with the stop of the pump itself



HEATING



CAMERA POWER SUPPLY



BLOWER



WEATHERPROOF JUNCTION BOX



WIPER FOR HEG



WASHER AND TANK

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF SYSTEMS

STAINLESS STEEL SYSTEMS

DOME ENCLOSURES

VANDAL RESISTANT HOUSINGS

IR ILLUMINATORS

P&T MOTORS AND TELEMETRY

CAMERA BRACKETS

DIGITAL VIDEO SYSTEMS

CONTROL KEYBOARDS

VIDEO SWITCHING AND DISTRIBUTION

VIDEO TRANSMISSION

INTEGRATED POSITIONING UNITS
EXPLOSION-PROOF SYSTEMS
STAINLESS STEEL SYSTEMS
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DTWRX- TELEMETRY DATA RECEIVER FOR WIPER AND WASHER REMOTE CONTROL

Remote control of wiper and washer pump of WASPT series in stand-alone housings

RS485 communication

Remote controllable up to 1200m (3937ft) from the control keyboard

OHVTA1- TAMPER SWITCH ON BOARD

With tamper proof screws and key

Available for VERSO and HOV housings

OWBIP- SEALING RINGS

For cable management bracket

For WBOVA2 and WCM4A2 brackets

IP66/IP67



CARD FOR REMOTE CONTROL OF WIPER AND WASHER PUMP



ALARM TAMPER SWITCH



SEALING RINGS

TECHNICAL DATA

SUNSHIELD

Extruded aluminium

Epoxy polyester powder painting, RAL9002 colour

In ABS, RAL9002 colour for HOV, VERSO, VERSO COMPACT, HGV

HEATING

IN 12Vdc/24Vac, consumption 20W max

IN 115/230Vac, consumption 40W max

CAMERA POWER SUPPLY CIRCUIT

Camera power supply:

IN 100-240Vac - OUT 12Vdc, 50/60Hz, 1A

IN 230Vac - OUT 12Vdc, 50/60Hz, 400mA

IN 230Vac - OUT 24Vac, 50/60Hz, 400mA

Camera power supply in weatherproof box:

IN 100-240Vac - OUT 12Vdc, 50/60Hz, 1A

IN 230Vac - OUT 24Vac, 50/60Hz, 400mA

BLOWER WITH AIR FILTER

Blower with thermostat and air filter, (Ton \geq 35°C; Toff \leq 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.

FAN ASSISTED HEATER

IN 12Vdc, consumption 4W max

IN 24Vac, consumption 4W max

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

OHGGBB- WEATHERPROOF JUNCTION BOX

4 PG9 cable glands

IP55

VIP6A- WIPER FOR HEG

Enclosure from reinforced polypropylene

Wiper blade constructed from stainless steel/aluminium

RAL9002 Colour

IP66

Dimensions (WxHxL): 99x114x209mm (3.8x4.4x8.2 in) (not comprehensive of blade)

Connector 3+1 PINS

IN 230Vac, consumption 7W max

IN 24Vac, consumption 7W max

Operating temperature: -20°C / + 50°C (-4°F / +122°F)

WAS - WASPT- WASHER AND RESERVOIR 5/23L (1.3 OR 6GAL)

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

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 217x272x254mm (8.5x10.7x10.0in) (tank 5l)

Tank capacity: 5l (1.3gal)

Delivery head: max 5m (16ft)

Tube length: 5m (16.4ft)

Power supply: IN 230Vac/120Vac/24Vac

Power consumption 18W max

Maximum operating temperature: 60°C (+140°F)

Weatherproof: IP56

Washer pump and tank of 23l, delivery head 5m (16ft)

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 301x410x348mm (tank 5l)

Tank capacity: 23l (6gal)

Delivery head: max 5m (16ft)

Tube length: 5m (16.4ft)

Power supply: IN 230Vac/120Vac/24Vac

Power consumption 18W max

Maximum operating temperature: 60°C (+140°F)

Weatherproof: IP56

Washer pump and tank of 23l, delivery head 11m (36ft)

Polyethylene tank, stainless steel cage

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

Tank capacity: 23l (6gal)

Delivery head: max 11m

Tube length: 11m (36ft)

Power supply: IN 230Vac/120Vac/24Vac

Power consumption 60W max

Max operating temperature: 60°C (140°F)

Weatherproof: IP56

Washer pump and tank of 23l, delivery head 30m (98ft)

Polyethylene tank, stainless steel cage

Dimensions (WxHxL): 301x635x269mm (11.8x25x10.6in)

Tank capacity: 23l (6gal)

Delivery head: max 30m (98ft)

Tube length: 30m (98ft)

Power supply: IN 230Vac/120Vac

Power consumption 450W max

Max operating temperature: 60°C (140°F)

Weatherproof: IP45

DTWRX- TELEMETRY DATA RECEIVER FOR WIPER AND WASHER REMOTE CONTROL

2 Functions: WIPER, WASHER

32 selectable addresses through Dip Switch

Serial input RS485

LED indicating stand-by status

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

ACCESSORIES COMPATIBILITY							
	PUNTO	HOV	HTV	VERSO	VERSO COMPACT	HGV	
INTEGRATED POSITIONING UNITS	Sunshield	OHOTS	OH0VS32A000	OH0VS32A000	OHPVS42A000	OHPVS36A000	-
EXPLOSION-PROOF SYSTEMS	Heater 20W, 12Vdc/24Vac	-	OHEH27	OHEH27	OHEH27	OHEH27	-
	Heater 40W, 115/230Vac	-	OHEH26	OHEH26	OHEH26	OHEH26	-
	Blower with air filter 12Vdc	-	-	-	-	-	-
STAINLESS STEEL SYSTEMS	Blower with air filter 24Vac	-	-	-	-	-	-
	Blower with air filter 230Vac	-	-	-	OHPVCF3	-	-
	Internal camera power supply 12Vdc OUT, 100÷240Vac IN, 1A max	OHOTPS1	OH0VPS1B	OH0VPS1B	OHEPS19B	OHEPS19B	-
DOVE ENCLOSURES	Internal camera power supply 12Vdc OUT, 230Vac IN 400mA max	-	-	-	-	-	-
	Internal camera power supply 24Vac OUT, 230Vac IN, 400mA max	OHOTPS2	OH0VPS2B	OH0VPS2B	OHEPS20	OHEPS20	-
	Weatherproof box	OHEGGB	OHEGGB	OHEGGB	OHEGGB	OHEGGB	OHEGGB
	Camera power supply 12Vdc OUT in weatherproof junction box, 100÷240Vac IN, 1A max	-	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B	-
	Camera power supply 24Vac OUT in weatherproof junction box, 230Vac IN, 400mA max	-	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B	-
	Wiper kit 24Vac	-	• ¹	-	-	-	• ¹
	Wiper kit 230Vac	-	• ¹	-	-	-	• ¹
VANDAL RESISTANT HOUSINGS	Washer pump with tank, 24Vac	-	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00	-	-	-	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00
	Washer pump with tank, 120Vac	-	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00 WAS3V23L30M00	-	-	-	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00 WAS3V23L30M00
	Washer pump with tank, 230Vac	-	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00 WAS3V23L30M00	-	-	-	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00 WAS3V23L30M00
P&T MOTORS AND TELEMETRY	Washer pump with tank, 24Vac (only with DTWRX)	-	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00	-	-	-	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00
	Washer pump with tank, 120Vac (only with DTWRX)	-	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00 WASPT3V23L30M00	-	-	-	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00 WASPT3V23L30M00
	Washer pump with tank, 230Vac (only with DTWRX)	-	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00 WASPT3V23L30M00	-	-	-	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00 WASPT3V23L30M00
DIGITAL VIDEO SYSTEMS	Wiper/Washer control	-	DTWRX	-	-	-	DTWRX
	Heater fan assistant, continuous duty, 12Vdc	-	OH0VV1	OH0VV1	OH0VV1	OH0VV1	-
	Heater fan assistant, continuous duty, 24Vac	-	OH0VV2	OH0VV2	OHPVV2	OHPVV2	-
CONTROL KEYBOARDS	Heater fan assistant, continuous duty, 230Vac	-	OH0VV3	OH0VV3	OH0VV3	OH0VV3	-
	Alarm tamper switch	-	OH0VTA1	OH0VTA1	OH0VTA1	-	-
VIDEO SWITCHING AND DISTRIBUTION							
VIDEO TRANSMISSION							

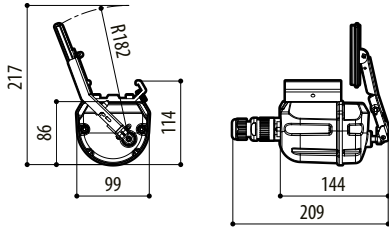
¹ Built-in

ACCESSORIES COMPATIBILITY							
	HEG	HTG	HEB	HEA	HEK	HEM	HET
Sunshield	OHEGS37A000 OHEGS47A000	OHEGS37A000 OHEGS47A000	OHEBS26A000 OHEBS32A000	OHEAS26A000 OHEAS30A000	OHEKS26A000 OHEKS30A000	OHEMS26A000 OHEMS30A000	-
Heater 20W, 12Vdc/24Vac	OHEH025B	OHEH025B	OHEH01B	OHEH01B	OHEH01B	OHEH01B	OHEH01B
Heater 40W, 115/230Vac	OHEH024B	OHEH024B	OHEH02B	OHEH02	OHEH02B	OHEH02B	OHEH02B
Blower with air filter 12Vdc	-	-	OHEBVF1	-	OHEKVF1E	-	-
Blower with air filter 24Vac	-	-	OHEBVF2	-	OHEKVF2E	-	-
Blower with air filter 230Vac	-	-	OHEBVF3	-	-	-	-
Internal camera power supply 12Vdc OUT, 100-240Vac IN, 1A max	OHEPS19B	OHEPS19B	OHEPS01B	-	OHEPS10B	-	-
Internal camera power supply 12Vdc OUT, 230Vac IN 400mA max	-	-	-	OHEPS05	-	OHEPS05	-
Internal camera power supply 24Vac OUT, 230Vac IN, 400mA max	OHEPS20	OHEPS20	OHEPS02B	OHEPS06	OHEPS11B	OHEPS06	-
Weatherproof box	OHEGGB	OHEGGB	OHEGGB	OHEGGB	OHEGGB	OHEGGB	OHEGGB
Camera power supply 12Vdc OUT in weatherproof junction box, 100-240Vac IN, 1A max	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B	OHEGBPS1B
Camera power supply 24Vac OUT in weatherproof junction box, 230Vac IN, 400mA max	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B	OHEGBPS2B
Wiper kit 24Vac	VIP6A2	-	-	-	-	-	-
Wiper kit 230Vac	VIP6A1	-	-	-	-	-	-
Washer pump with tank, 24Vac	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00	-	-	-	-	-	-
Washer pump with tank, 120Vac	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00 WAS3V23L30M00	-	-	-	-	-	-
Washer pump with tank, 230Vac	WASOV5L5M00 WASOV23L5M00 WASOV23L11M00 WAS3V23L30M00	-	-	-	-	-	-
Washer pump with tank, 24Vac (only with DTWRX)	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00	-	-	-	-	-	-
Washer pump with tank, 120Vac (only with DTWRX)	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00 WASPT3V23L30M00	-	-	-	-	-	-
Washer pump with tank, 230Vac (only with DTWRX)	WASPTOV5L5M00 WASPTOV23L5M00 WASPTOV23L11M00 WASPT3V23L30M00	-	-	-	-	-	-
Wiper/Washer control	DTWRX	-	-	-	-	-	-
Heater fan assistant, continuous duty, 12Vdc	-	-	-	-	-	-	-
Heater fan assistant, continuous duty, 24Vac	-	-	-	-	-	-	-
-	-	-	-	-	-	-	Alarm tamper switch
-	-	-	-	-	-	-	-

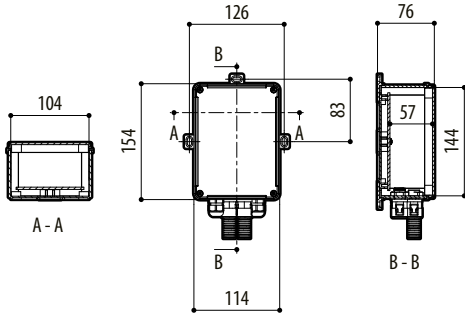
¹ Built-in

INTEGRATED POSITIONING UNITS
EXPLOSION-PROOF SYSTEMS
STAINLESS STEEL SYSTEMS
DOME ENCLOSURES
VANDAL RESISTANT HOUSINGS
IR ILLUMINATORS
P&T MOTORS AND TELEMETRY
CAMERA BRACKETS
DIGITAL VIDEO SYSTEMS
CONTROL KEYBOARDS
VIDEO SWITCHING AND DISTRIBUTION
VIDEO TRANSMISSION

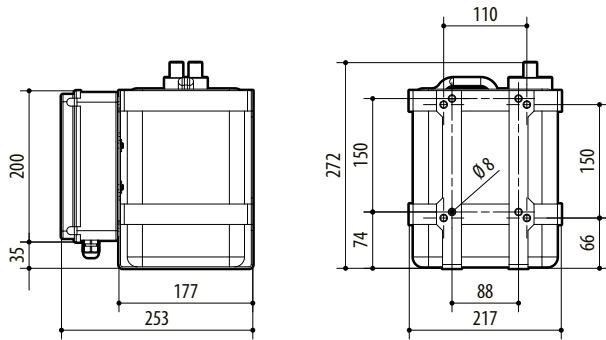
	PART NUMBER			
INTEGRATED POSITIONING UNITS	OHEH26	Heater 115/230Vac for HOV, HTV, VERSO, VERSO COMPACT housings	OHOVV1	Heater fan assistant, continuous duty, IN 12Vdc, for HOV housing
	OHEH27	Heater 12Vdc/24Vac for HOV, HTV, VERSO, VERSO COMPACT housings	OHOVV2	Heater fan assistant, continuous duty, IN 24Vac, for HOV housing
EXPLOSION-PROOF SYSTEMS	OHEH24B	Heater 115/230Vac for HEG, HTG, AVTPSK, AVTPSC housings	OHOVV3	Heater fan assistant, continuous duty, IN 100-240Vac, for HOV housing
	OHEH25B	Heater 12Vdc/24Vac for HEG, HTG, AVTPSK, AVTPSC housings	OHPVV1	Heater fan assistant, continuous duty, IN 12Vdc, for VERSO and VERSO COMPACT housings
	OHEH01B	Heater 12Vdc/24Vac for HEB, HEK, HEA housings	OHPVV2	Heater fan assistant, continuous duty, IN 24Vac, for VERSO and VERSO COMPACT housings
	OHEH02B	Heater 115/230Vac for HEB, HEK, HEA housings	OHPVV3	Heater fan assistant, continuous duty, IN 100-240Vac, for VERSO and VERSO COMPACT housings
	OHEH05B	Heater 12Vdc/24Vac for HEP, NXM housings	OHEGBB	Weatherproof junction box
	OHEH06B	Heater 115/230Vac for HEP and NXM housings	VIP6A1	Wiper 230Vac for HEG housings
	OHOTPS1	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 15W, for PUNTO housing	VIP6A2	Wiper 24Vac for HEG housings
	OHOTPS2	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for PUNTO housing	WASOV5L5M00	Water tank 5l, pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
STAINLESS STEEL SYSTEMS	OHOVPS1B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 15W, for HOV and HTV housing	WASOV23L5M00	Water tank 23l, pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
	OHOVPS2B	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HOV and HTV housings	WASOV23L11M00	Water tank 23l, pump with delivery up to 11m (36ft), IN 230Vac-24Vac-120Vac
	OHEPS19B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 15W, for VERSO, VERSO POLAR, VERSO COMPACT, HEG, HTG housings	WAS1V23L30M00	Water tank 23l, pump with delivery up to 30m (98ft) with water floating, IN 230Vac
	OHEPS20	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for VERSO, VERSO POLAR, VERSO COMPACT, HEG, HTG housings	WAS3V23L30M00	Water tank 23l, pump with delivery up to 30m (98ft) with water floating, IN 120Vac
	OHEPS01B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 15W, for HEB housing	WASPTOV5L5M00	Water tank 5l, pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
	OHEPS02B	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEB housing	WASPTOV23L5M00	Water tank 23l, pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
	OHEPS24	Camera power supply IN 230Vac - OUT 12Vdc, 10VA/5W, for HEP, AVBPH, NXW, NTW housings	WASPTOV23L11M00	Water tank 23l, pump with delivery up to 11m (36ft), IN 230Vac-24Vac-120Vac
	OHEPS25	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEP, AVBPH, NXW, NTW housings	WASPT1V23L30M00	Water tank 23l, pump with delivery up to 30m (98ft) with water floating, IN 230Vac
	OHEPS10B	Wide range camera power supply IN 100-240Vac - OUT 12Vdc, 15W, for HEK housing	WASPT3V23L30M00	Water tank 23l, pump with delivery up to 30m (98ft) with water floating, IN 120Vac
	DOME ENCLOSURES	OHEPS11B	Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEK housing	DTWRX
OHEPS05		Camera power supply IN 230Vac - OUT 12Vdc, 10VA/5W, for HEA and HEM housings	OHOVTA1	Tamper switch on board with tamper proof screws and key
OHEPS06		Camera power supply IN 230Vac - OUT 24Vac, 10VA, for HEA and HEM housings	OWBIP2	Sealing rings kit (3xM16) IP66/IP67 for WBOVA2 and WCM4A2 brackets for PUNTO, HOV, VERSO, VERSO POLAR, VERSO COMPACT, HEB, HEK housings
OHEGBPS1B		Wide range camera power supply IN 100-240Vac - OUT 12Vdc in weatherproof box, 15W, for VERSO, VERSO POLAR, HEG, HTG, HET housings	OWBIP3	Sealing rings kit (1xM12 - 1xM16 - 1xM20) IP66/IP67 for WBOVA2 and WCM4A2 brackets for VERSO HI-POE and HOV HI-POE housings
OHEGBPS2B		Camera power supply IN 230Vac - OUT 24Vac in weatherproof box, 10VA, for VERSO, VERSO POLAR, HEG, HTG, HET housings		
OHEPVF1A		Blower with thermostat and air filter IN 12Vdc for HEP		
OHEPVF2A		Blower with thermostat and air filter IN 24Vac for HEP		
OHEPVF3A		Blower with thermostat and air filter IN 230Vac for HEP		
OHEKVF1EB		Blower with thermostat and air filter IN 12Vdc for HEK, not compatible with WBOVA2 and WBOV3A2 brackets		
OHEKVF2EB		Blower with thermostat and air filter IN 24Vac for HEK, not compatible with WBOVA2 and WBOV3A2 brackets		
CAMERA BRACKETS	OHEBVF1	Blower with thermostat and air filter IN 12Vdc, for HEB housing, not compatible with WBOVA2 and WBOV3A2 brackets		
	OHEBVF2	Blower with thermostat and air filter IN 24Vac, for HEB housing, not compatible with WBOVA2 and WBOV3A2 brackets		
	OHEBVF3	Blower with thermostat and air filter IN 230Vac, for HEB housing, not compatible with WBOVA2 and WBOV3A2 brackets		
DIGITAL VIDEO SYSTEMS				
CONTROL KEYBOARDS				
VIDEO SWITCHING AND DISTRIBUTION				
VIDEO TRANSMISSION				



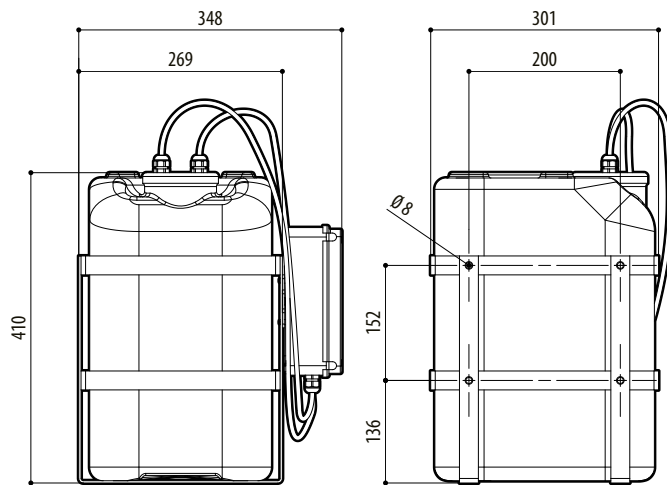
VIP6A



OHEG8B



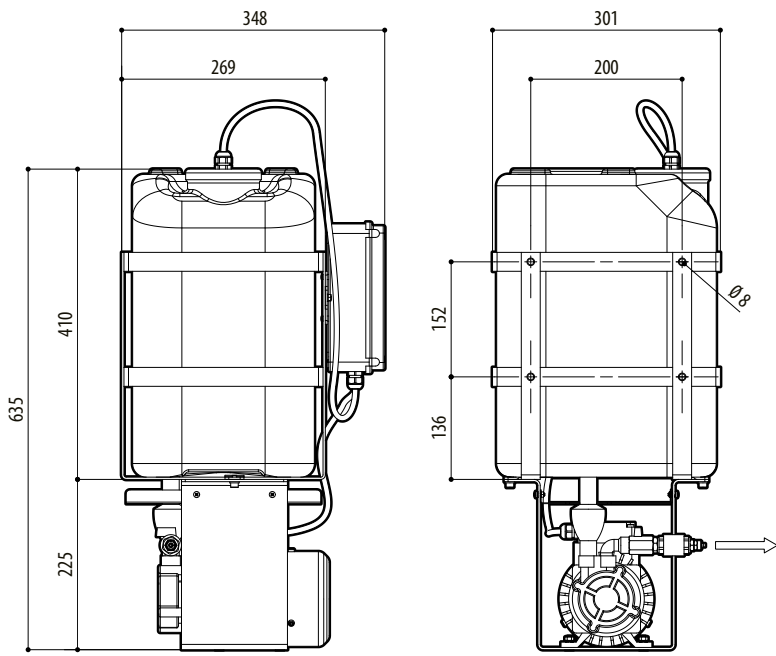
WASL5-WASPT5L



WAS23L-WASPT23L

INTEGRATED POSITIONING UNITS	EXPLOSION-PROOF SYSTEMS	STAINLESS STEEL SYSTEMS	DOME ENCLOSURES	VANDAL RESISTANT HOUSINGS	IR ILLUMINATORS	P&T MOTORS AND THERMIST	CAMERA BRACKETS	DIGITAL VIDEO SYSTEMS	CONTROL KEYBOARDS	VIDEO SWITCHING AND DISTRIBUTION	VIDEO TRANSMISSION
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VIDEO TRANSMISSION
VIDEO SWITCHING AND DISTRIBUTION
CONTROL KEYBOARDS
DIGITAL VIDEO SYSTEMS
CAMERA BRACKETS
P&T MOTORS AND TELEMETRY
IR ILLUMINATORS
VANDAL RESISTANT HOUSINGS
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STAINLESS STEEL SYSTEMS
EXPLOSION-PROOF SYSTEMS
INTEGRATED POSITIONING UNITS



WAS23L30-WASPT23L30