

**DOMESTIC**  
HEATING

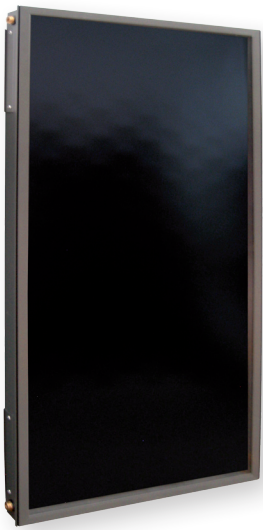
# Solar Thermal

April 2016

 **ferroli**

# ECOTOP VHM FLAT PLATE SOLAR COLLECTOR (FOR FORCED SYSTEMS)

ERP



## > PRODUCT SPECIFICATIONS

- Solar collector with "tray" aluminium construction for better durability
- Solar collector absorber with vacuum-high-selectivation by sputtering (PVD), laser-welded with harp copper pipes
- Tempered solar glass, high transparency
- Solar collector insulation: 40 mm high density mineral wool (rear) and 10 mm (side), with ventilation openings
- Max operating pressure: 10 bar
- Quality certification "EU Keymark" (EN 12975)
- **Warranty 5 years**



MODEL		VHM 2.1	VHM 2.7
Dimensions	mm	1037x2018x89	1314x2018x89
Gross area of the collector	m <sup>2</sup>	2,09	2,65
Net useful area (absorber)	m <sup>2</sup>	1,82	2,36
Total weight	kg	34,4	42,4
Solar circuit fluid content (including storage)	l	0,85	1,09
Stagnation temperature	°C	204,9	204,9
Absorber type	%		95
Absorption factor (absorber)	%		5
Solar collector insulation		40 mm high density mineral wool	
Connections	Ø	3/4"	
Max operating pressure solar circuit	bar	10	
Connections	nr.	4	
Max nr. of collectors in a row	nr.	8	
Number of pieces on 1 pallet	nr.	8	8
ARTICLE NR.		OXDN1KXA	OXDN2KXA

## > ACCESSORIES

MOUNTING SETS	CODE
<b>FIXING BARS</b> (1 couple for each collector) <b>mod. 2.1</b>	076224X0
<b>FIXING BARS</b> (1 couple for each collector) <b>mod. 2.7</b>	076225X0
<b>ADDITIONAL MOUNTING SET FOR FLAT ROOFS (TERRACE):</b> to be ordered in nr. equal to the total nr. of collectors in one hydraulic battery (or 2 pieces for one single collector)	076226X0

BRACKETS FOR SLOPING ROOFS	CODE
Stainless steel universal flexible brackets for each collector (4 pcs.)	076218X0
Stainless steel brackets for 1 coll. - metallic roofs (threaded)	076172X0
Stainless steel brackets for each additional collector - metallic roofs (threaded)	076176X0
Stainless steel brackets for 1 coll. - metallic roofs (self-threading for wood)	076197X0
Stainless steel brackets for each additional collector - metallic roofs (self-threading for wood)	076198X0
Galvanised brackets for 1 coll. - flat tiles	076173X0
Galvanised brackets for each additional collector - flat tiles	076175X0
Galvanised brackets for 1 coll. - curved (florence) tiles	076174X0
Galvanised brackets for each additional collector - curved (florence) tiles	076177X0
Galvanised brackets for 1 coll. - slate tiles	076195X0
Galvanised brackets for each additional collector - slate tiles	076196X0

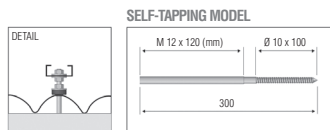
DESCRIPTION	CODE

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 Hydraulic connections - start set, 4 pcs. (side connections for the first/last collector)	072235X0
 Hydraulic connections - interconnection set, 2 pcs, insulated (between 2 collectors)	072236X0

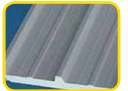
# SUPPORT SYSTEM FOR SLOPING ROOFS

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## > UNIVERSAL STUD



Stainless steel fastening system with stud insert (M12x250 mm) for ECOTECH (all models)\*, ECOTOP  
 Stainless steel fastening system with self-tapping screw for wood (M12x120 min.) for ECOTECH (model 150 and 200), ECOTOP  
 Specifically for fastening on cement tiles, bitumen tiles, flat metallic surfaces or corrugated one; can also be used for all other types of covering and tiles using drilled studs (lock nut required under the roof) or self-tapping screws for wood (Fischer type anchor required).  
 \*For installation on sloping roofs, use n°1 code 076172X0 + n° 1 code 076176X0 (for model 250).



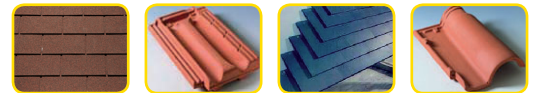
THREADED	FIRST COLLECTOR	ADDITIONAL COLLECTOR
ARTICLE NR.	076172X0	076176X0

SELF-THREADING	FIRST COLLECTOR	ADDITIONAL COLLECTOR
ARTICLE NR.	076197X0	076198X0

## > UNIVERSAL UNDER-TILES BRACKET

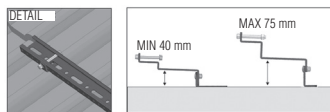
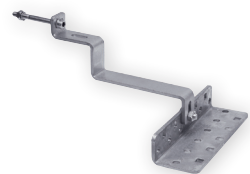


Universal flexible stainless steel fixing set (4 pcs), for ECOTOP series  
 Fit for under-tile application for any type of sloping roof



MODEL	FOR EACH COLLECTOR
ARTICLE NR.	076218X0

## > BRACKET FOR FLAT TILES

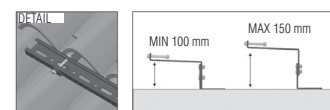


Adjustable galvanised steel fastening system for ECOTOP series  
 Suitable for roofs with flat tiles ("Marseille" style)



MODEL	FIRST COLLECTOR	ADDITIONAL COLLECTOR
ARTICLE NR.	076173X0	076175X0

## > BRACKET FOR CURVED TILES

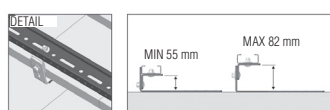
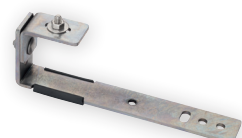


Adjustable galvanised steel fastening system for ECOTOP series  
 Suitable for roofs with curved tiles

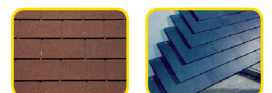


MODEL	FIRST COLLECTOR	ADDITIONAL COLLECTOR
ARTICLE NR.	076174X0	076177X0

## > BRACKET FOR SLATE TILES



Adjustable galvanised steel fastening system for ECOTOP series  
 Suitable for roofs with slate tiles



MODEL	FIRST COLLECTOR	ADDITIONAL COLLECTOR
ARTICLE NR.	076195X0	076196X0



In accordance with the constant efforts to improve its range of products and thus raise the level of customer satisfaction, the Company stresses that the appearance and/or size, technical specifications and accessories may be subject to variation.



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