

Flamco XStream air and dirt separators ensure lower energy consumption, less wear and tear, fewer breakdowns, a longer lifespan and thus a higher efficiency of heating and cooling installations.

### An effective combination.

From an installation perspective, it is always preferable to install a separate air and dirt separator. In installations where it is difficult to install both a Flamco XStream Vent and a Clean, the Flamco XStream Vent-Clean is the ideal solution.

### Advantages

- With an unique ECO/ MAX mode.  
In the ECO mode a part of the system water (partial flow) is led through the Flamco XStream.  
In the MAX mode all the system water is led through the Flamco XStream.
- Up to 15% less energy consumption of the heating system.\*
- Up to 6% more efficiency of the heating system.\*
- The unit is 360 degree rotatable for ease of installation.
- No account needs to be taken of the flow direction of the installation. This prevents installation errors.
- Thanks to the powerful internal magnet, the Flamco XStream Clean and the Vent-Clean have a great attraction to magnetite.
- Insulation is an integral part of the design of the Flamco XStream. This reduces heat losses to a minimum.
- The intergrated service indicator indicates when the system was last flushed/vented in the MAX mode.

\* Calculated according to the Hysopt method in a system with a gas boiler and manually operated radiator valves.

### Technical Specifications

- Materials: brass and high-quality plastic.
- Minimum/Maximum operating temperature: -10 °C / 120 °C.
- Minimum/Maximum system pressure: 0,2 / 10 bar.
- Minimum/Maximum operating pressure: 0,2 / 6 bar.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum flow velocity: 0.2 / 3 m/s.
- Medium pH: 5 / 10.
- Material: EPP insulation.  $\lambda$  : 0.036 W/m.
- Average thickness insulation: 20 mm.

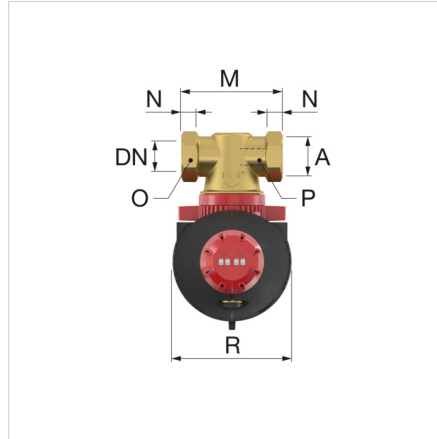
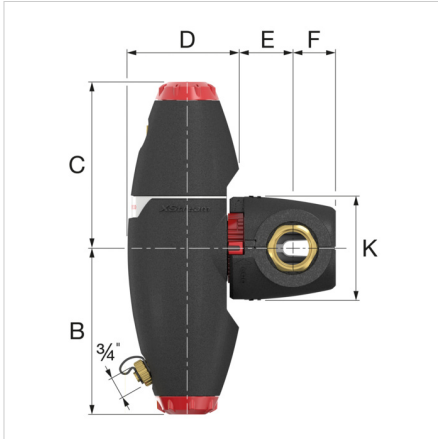


Description	XStream Vent-Clean 22	
Order Code	11071	
GTIN	08712874110717	
Model	<u>Flamco XStream Vent-Clean</u>	
Connection	[DN]	20
	(A)	22 mm
$K_v^*$ [m <sup>3</sup> /h] (ECO)	4.1	
$K_v^*$ [m <sup>3</sup> /h] (MAX)	15.6	
Weight [kg]	1.5	

\*  $K_v = Q / \sqrt{\Delta P}$  Q: Flow [m<sup>3</sup>/h]  $\Delta P$ : Pressure loss over the product (1 bar)

Flow factor  $K_v$ : Rate of flow [m<sup>3</sup>/h] which results in a 1 bar pressure drop across the product. This is different then the maximum allowed flow rate of the

product.



### Flamco XStream Vent-Clean - Dimensions

Type	Dimensions										
	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	M [mm]	N [mm]	O [mm]	P [mm]	R [mm]
XStream Vent-Clean 22	149	149	106	44	41	102	119	24	32	24	114
XStream Vent-Clean 3/4 F	149	149	106	44	41	102	100	14	32	-	114
XStream Vent-Clean 1 M	149	149	106	44	41	102	100	13	-	27	114
XStream Vent-Clean 1 F	181	181	121	53	45	114	110	16	41	-	130
XStream Vent-Clean 1 1/4 M	181	181	121	53	45	114	110	14	-	34	130
XStream Vent-Clean 1 1/4 F	181	181	125	57	48	114	110	18	50	-	130
XStream Vent-Clean 1 1/2 F	208	208	139	62	51	132	129	18	55	-	145
XStream Vent-Clean 2 F	208	208	139	65	58	132	140	23	70	-	145

### Classification General Data

<b>Etim Group</b>	Filters/separators
<b>Etim Class</b>	Air-/dirt separator for central heating/cooling system
<b>Product Name</b>	XStream Vent-Clean air and dirt separator with full and partial flow f
<b>Brand</b>	Flamco
<b>Product Type</b>	K 22K 22
<b>Artikelnummer</b>	11071

### Attributes

<b>Material</b>	Plastic
<b>Housing material</b>	Brass
<b>Housing material quality</b>	Other
<b>Separator type</b>	Air/dirt
<b>Model</b>	Horizontal/vertical
<b>Suitable for heating</b>	Yes
<b>Suitable for cooling</b>	Yes
<b>Nominal diameter</b>	DN 20
<b>Outer pipe diameter</b>	22 Millimetre
<b>Connection</b>	Compression ring
<b>Construction length</b>	119 Millimetre
<b>Article compression class</b>	PN 10
<b>Surface protection</b>	Untreated
<b>Operating principle</b>	Magnet
<b>Suitable for open system</b>	No
<b>With blow-off valve</b>	Yes
<b>Suitable for closed system</b>	Yes
<b>With drain valve</b>	Yes
<b>With dismountable filter</b>	No
<b>Backwash filter</b>	No
<b>With automatic de-aerator</b>	Yes
<b>Max. medium temperature (continuous)</b>	120 Degrees celsius
<b>With integrated replenishment automat</b>	No
<b>With couplers</b>	No
<b>Inlet/outlet offset distance</b>	0 Millimetre
<b>Max. operating pressure</b>	10 Bar
<b>Magnet location</b>	Internal
<b>Variable flow direction</b>	Yes
<b>With insulation</b>	Yes
<b>Heat conduction coefficient insulation material (<math>\lambda</math>)</b>	0.04 Watt per meter Kelvin

### Find more information online:

[Installations and operating instructions](#)

[Statement of Conformity](#)

[XStream Vent-Clean DWG](#)

[XStream Vent-Clean STEP](#)

[XStream Vent-Clean RFA](#)

[Brochure \(English\)](#)

[Brochure \(Romanian\)](#)

[Leaflet \(English\)](#)

[Leaflet \(Romanian\)](#)

[Technical Handbook \(English\)](#)

[Export catalogue](#)

[Packaging data](#)

[Report Hysopt](#)

[XStream \(English\)](#)

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[Explainer video XStream \(Romanian\)](#)

Fort Blauwkapel 1  
1358 DB, Almere - nl

T +31 (0)36 52 62 300  
E [info@aalberts-hfc.com](mailto:info@aalberts-hfc.com)  
I [flamcogroup.com](http://flamcogroup.com)