Ø75 and Ø90 "Grey" collars for semi-rigid pipes

FEATURES

Collars suitable for the connection with corrugated semi-rigid pipes of external diameter **Ø75 mm** (and internal diameter Ø63 mm) and external diameter **Ø90 mm** (and internal diameter Ø75 mm).
They are suitable for HRV systems and for HVAC systems.
The collar is made of hPP (omo-polymer polypropylene) and is easy to install by screwing its "base" onto a suitable threaded hole* or by gluing it on a perforated support.
Each collar has adequate space for housing the sealing ring (gasket), that is supplied with the collar and must be installed on semi-rigid pipe.
Into the collar there are No.3 "teeth" for clamping the semi-rigid pipe and No.2 slots for interlocking housing of the PP anti-pull out ring (non supplied, not necessary).
At the "base", the collars have a closed diaphragm with a series of 4 (for Ø75) or 5 (for Ø90) "pre-marked rings" so that they can be used as flow regulators by cutting the "rings" . The cut can be done, on construction site, incising by cutter the groove between a ring and another and pulling by hand.

The value of the flow rate to be assigned can be calibrated by removing 1, or more, of the 4/5 "rings" using a simple cutter. Calculation of the number of "rings" to be removed can be done from a table (not provided) with "Zeta" coefficient of localized induced pressure drop due to narrowing of the passage in the collar septum and then proceeding by means of an appropriate spreadsheet (not provided).

NOTE. Ø75/90 "GREY" collars installed on FITT Agix PVC boxes are easily screwable and unscrewable using, for example, a simple 3 mm thick bar lever to be inserted within the aforementioned slots.
* The threaded base of the collars is made with Ø2"1/2 gas-type thread for both Ø75 and Ø90 (it is identical for both).

PHOTOS OF A "GREY" Ø75 COLLAR code COLL75-7035. The collar is supplied with the sealing ring (gasket), not visible in the photos.

PHOTOS OF A "GREY" Ø90 COLLAR code COLL90-7035. The collar is supplied with the sealing ring (gasket), not visible in the photos.
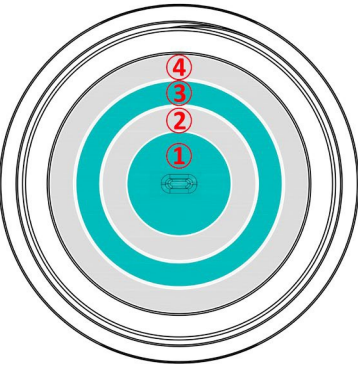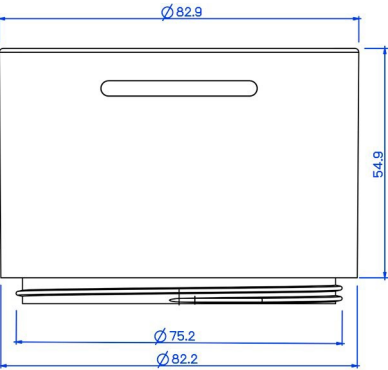
Table useful for calculate the flow rate of the collars (Free area obtained by cutting the pre-marked rings)

		Identification number of the outermost of the removed rings				
		1	**2**	**3**	**4**	**-**
"GREY" Ø75 collar	**Open circle radius resulting (mm)**	12,2	18,1	24,2	30 (+0,9)	-
	Free area (mm²)	470	1055	1850	3000	-
	Percentage Area compared to the fully opened collar	16%	35%	62%	100%	-

		Identification number of the outermost of the removed rings				
		1	**2**	**3**	**4**	**5**
"GREY" Ø90 collar	**Open circle radius resulting (mm)**	12,2	18,1	24,2	30,3	33,9
	Free area (mm²)	470	1055	1850	2880	3600
	Percentage Area compared to the fully opened collar	14%	30%	53%	81%	100%

DIMENSIONS

"GREY" Ø75 COLLAR code COLL75-7035

"GREY" Ø90 COLLAR code COLL90-7035