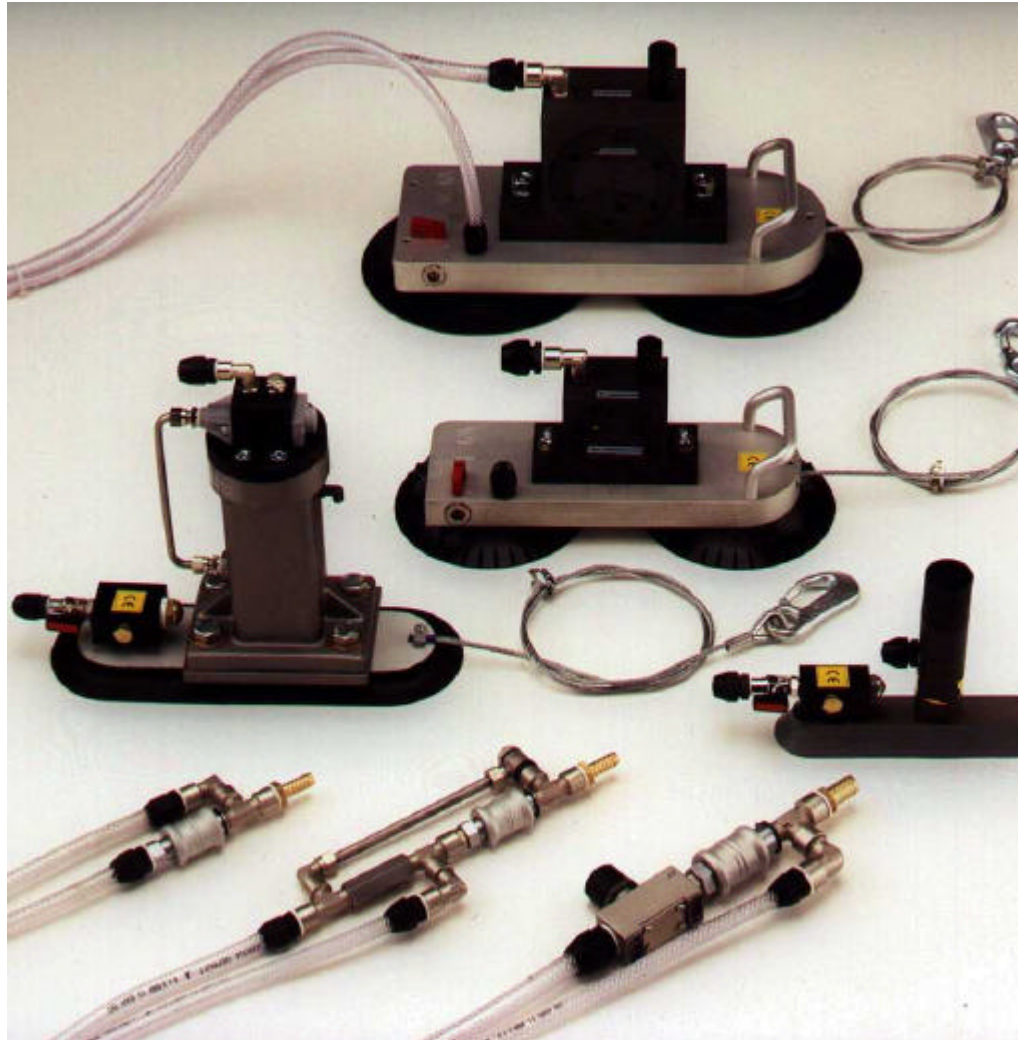




URBAR
ingenieros s.a.

**Vacuum-fixing-
devices for
pneumatic
vibrators**

VAC serie



- Discharge of bins.
- No constructional modification necessary.
- Also on round surface.
- Easy handling.
- Ideal for pneumatic vibrators.
- Low air consumption, compact, rigid construction.

Application

The vacuum fixing devices, VAC serie are made for fast attachment on smooth or more or less rough and bended surfaces to empty bins and drums, clean pipes.

They are used if there is no other method of fixing available or the vibrators have to be moved often.

The surfaces to be vibrated need to have a minimum diameter, following the types:

- VAC 8:110 mm
- VAC 11:110 mm
- VAC 15:650 mm
- VAC 30:1500 mm
- VAC 10:110 mm
- VAC 12:350 mm
- VAC 20:850 mm
- VAC 40:1500 mm

Function

All VAC clamps are available in two different versions to

- **HG N**: Normal hose set.
- **HG S**: Economy hose set.

The necessary vacuum is created by a pneumatically operated device which is part of the mounting plate.

The economy hose set creates an adjustable vacuum just enough to hold the unit without vibration. If the vibrator is started, first the maximum vacuum will be generated before the vibrator starts. The economy set is recommended if the VAC clamp is to remain on the bin for a longer time.

Without vibration the air consumption with HG S version to hold the clamp in position will be less than 30% than the one obtained with the HG N version, only.

Operation

The VAC with the vibrator is pressed with one hand against the surface of the unit to vibrate, with the other hand a switch on the VAC clamp is turned. The clamp will immediately be fixed. Then the vibrator is operated by a valve which is integrated in the supply hose. The economy set will care for full vacuum before the vibrator starts. After closing the valve for the vibrator the VAC clamp will remain in position until the switch on the clamp is turned back.

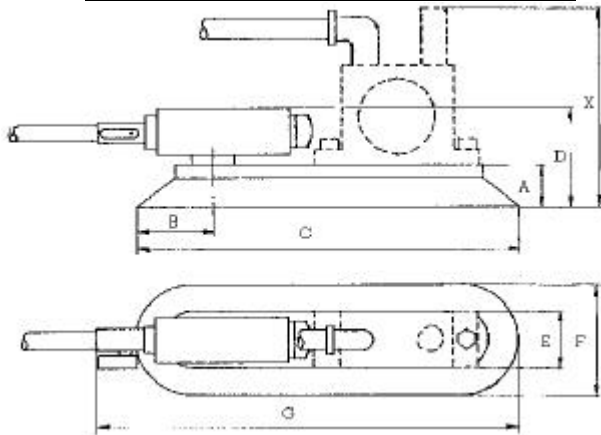
Warning

The unit has to be fixed with a safety steel line (included) to a right point to prevent it from falling down in case of drop of line pressure.

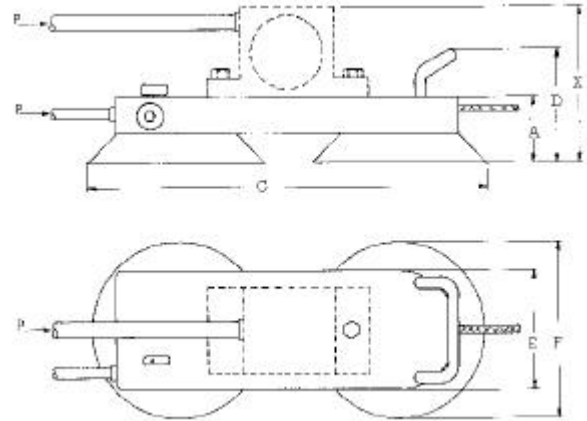


Dimensions

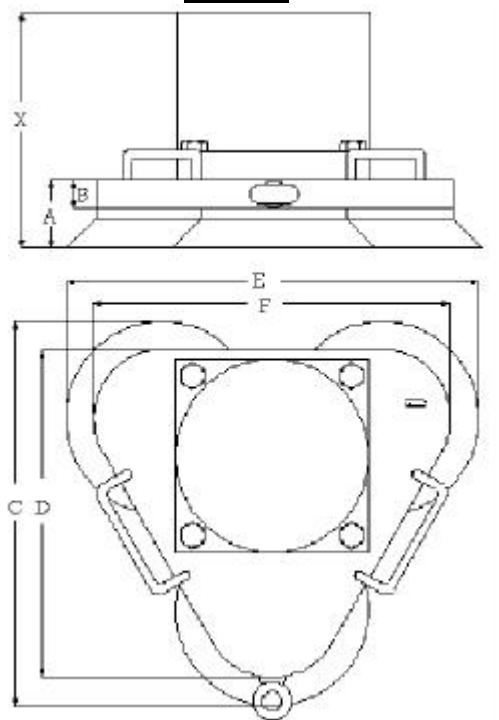
VAC 8 / VAC 10 / VAC 11 / VAC 12



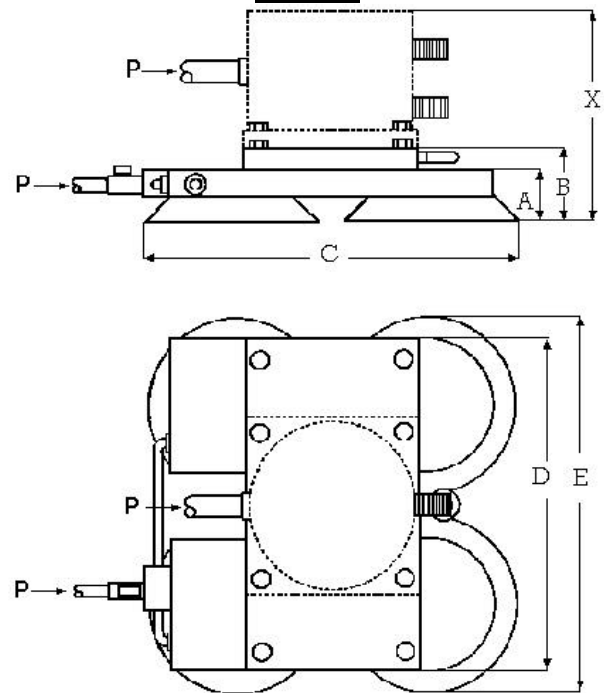
VAC 15 / VAC 20



VAC 30



VAC 40



Dimension X depends on vibrator installed.

Type	A	B	C	D	E	F	G
VAC 8	21	20	150	53	30	55	190
VAC 10	21	20	200	53	35	55	245
VAC 11	21	20	300	53	35	55	330
VAC 12	25	60	300	60	68	100	330
VAC 15	50	-	350	95	100	150	-
VAC 20	70	-	440	115	150	200	-
VAC 30	70	30	398	340	428	370	-
VAC 40	60	85	428	375	425	-	-

Technical characteristics

Type	Air consumption with no vibration l / min		Weight kg
	4 bar	6 bar	
VAC 8 + HG 10 N	40	60	0,95
VAC 8 + HG 10 S	20	22	1,20
VAC 10 + HG 10 N	40	60	1,05
VAC 10 + HG 10 S	20	22	1,30
VAC 11 + HG 10 N	40	60	1,25
VAC 11 + HG 10 S	20	22	1,50
VAC 12 + HG 15 N	60	122	2,85
VAC 12 + HG 15 S	29	36	3,20
VAC 15 + HG 15 N	110	170	3,40
VAC 15 + HG 15 S	41	52	3,75
VAC 20 + HG 15 N	110	170	7,25
VAC 20 + HG 15 S	41	52	7,60
VAC 30 + HG 30 N	110	170	11,50
VAC 30 + HG 30 S	49	60	12,00
VAC 40 + HG 40 N	220	340	20,00

VAC type to be used following the vibrator installed:

VAC 8:

NYK-8 AL, NTP 25 B

VAC 10:

K-8, K-10, R-50, DAR-2,
NTK-15, NTK-16, NTK-8 AL
T-50, GT-8, GT-10, FP-12, FP-18, FP-25*.

VAC 15:

K-20; K-25; K-30; K-36 / DAR-4*, DAR-5*
T-80, T-100* / R-80; R-100*
GT-10; GT-13; GT-16; GT-20; GT-25; GT-36*
FP-25; FP-35.
PKL-150 / NTK-18 AL; NTK-25 / NTP-32.
NTS-75/01; NTS-50/01; NTS-70/02*.

VAC 30:

NTS-50/04; NTS-50/08* / PKL-200/5 / R-120.

* Depending on application, please ask for advice.

VAC 11:

NTK-18 AL, NTS 180, NTS 250.

VAC 12:

T-80LP; FP-35
PKL-150; NTP-32;
NTS-75/01, NTS-50/01.

VAC 20:

GT-30; GT-36
T-100HP
R-100
NTP-48
DAR-5
NTS-70/02; NTS-54/02; NTS-50/04*

VAC 40:

NTS-50/08*; NTS-50/10*.