

C – CHOOSE COAX® CARTRIDGE

- ▶ Choose a 2-stage ejector for minimum mounting dimensions, when handling non-porous material such as sheet metal or when using smaller suction cups.
- ▶ Choose a 3-stage ejector for faster response, handling porous material such as corrugated or when using large suction cups.
- ▶ Choose a blind plug (without COAX® cartridge), if the unit is to work as a “slave”, i.e. vacuum is generated by another VGS™ unit in the system.

A non-return valve in the COAX® cartridge should be used to maintain vacuum in a sealed system for a short period of time to increase safety during interruptions of air supply.



Example showing VGS™3010

D – CHOOSE MOUNTING AND MOUNTING ORIENTATION

There are different mounting interfaces available which makes the VGS™ very flexible. There is also a possibility to choose mounting orientation.

VGS™2010



VGS™3010

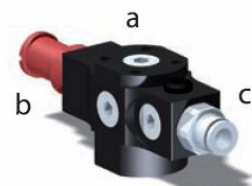


VGS™5010



MOUNTING ORIENTATION

For several of the different mounting options there is a possibility to choose mounting orientation.



a) Top side, b) left side, c) right side

VGS™3010 SYSTEM SOLUTION EXAMPLES

A profile-mounted VGS™3010 can be made non-rotating by running a guide pin in the profile slot. Use the M5 threaded connection on the VGS™3010 housing. (Guide pin not supplied by PIAB.)



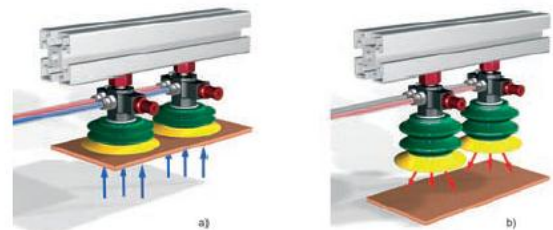
Non-rotating guide pin

When the need for vacuum flow is small, for example in airtight systems with small cups, a VGS™3010 with a COAX® cartridge could provide vacuum to multiple “slave units”.



Suction cups No. 1, 3 and 4 are "slave units" (no COAX® cartridge).

In order to have efficient cleaning of suction cup filters and blow-off for quickly releasing parts, compressed air should be connected to one of the extra vacuum ports on the VGS™3010.



Quick release of parts – a) Vacuum, b) Blow-off

For increased safety and control of the vacuum system, a PIAB mini vacuum switch can easily be connected to a VGS™3010. The switches are available as pre-set or with adjustable signal level. Pre-set is recommended to avoid unwanted signal level changes (adjustment-proof). You can find part no. and technical data for the switches in the Accessories section of this catalog.



Vacuum sensing

EXPLANATION OF VGS™3010 ORDERING NUMBER

1. COAX® cartridge	VGS code
No COAX® cartridge (slave unit with blind plug M14x1)	AA
COAX® cartridge Pi12-2	AB
COAX® cartridge Pi12-3	AC
COAX® cartridge Pi12-2, non-return valve	AD
COAX® cartridge Pi12-3, non-return valve	AE

2. Mounting / orientation	VGS code
4x M4 & 1x plug G1/8" top, flush mount	00
M8 16 mm top	01
M8 16 mm right	02
M8 16 mm left	03
M8 27 mm top, profile kit	04
M8 27 mm right, profile kit	05
M8 27 mm left, profile kit	06
M6 22 mm screw top, profile kit	07
M6 22 mm screw right, profile kit	08
M6 22 mm screw left, profile kit	09
Ball joint VGS™3010 right	11
Ball joint VGS™3010 left	12
Lock-pin VGS™3010, right	13
Lock-pin VGS™3010, left	14
Level Compensator LC30, 5x plug G1/8" kit	15

3. Suction cup with fitting /suction cup with fitting and stabilizer	VGS code
No suction cup	BA
B75P 30/60° Shore A	BB
B75P 60° Shore A	BC
BF80P 30°/50° Shore A	BD
BF80P 60° Shore A	BE
BX35P 30/60° Shore A	BF
BX35P 60° Shore A	BG
BX52P 30/60° Shore A	BH
BX52P 60° Shore A	BI
BX75P 30/60° Shore A	BJ
BX75P 60° Shore A	BK
F75P 30/60° Shore A	BL
F75P 60° Shore A	BM
F110P 30/60° Shore A	BN
F110P 60° Shore A	BO
FC50P 40° Shore A	BP
FC50P 60° Shore A	BQ
FC75P 40° Shore A	BR
FC75P 60° Shore A	BS
FC100P 40° Shore A	BT
FC100P 60° Shore A	BU
BX52P 30°/60° Shore A with Stabilizer 50	BW
BX52P 60° Shore A with Stabilizer 50	BX
BX75P 30°/60° Shore A with Stabilizer 75	BY
BX75P 60° Shore A with Stabilizer 75	BZ
OB35X90P 30/60° Shore A	CA
OB35X90P 60° Shore A	CB
OB50X140P 30/60° Shore A	CC
OB50X140P 60° Shore A	CD
OB65X170P 30/60° Shore A	CE
OB65X170P 60° Shore A	CF
OF25X70P 40° Shore A	CG
OF25X70P 60° Shore A	CH
OF40X110P 40° Shore A	CI
OF40X110P 60° Shore A	CJ
OF55X150P 40° Shore A	CK
OF55X150P 60° Shore A	CL
OF70X175P 40° Shore A	CM
OF70X175P 60° Shore A	CN
BF110P 30/60° Shore A	CO
BF110P 60° Shore A	CP
BX110P 30/60° Shore A	CQ
BX110P 60° Shore A	CR

BA, BX, BY and BZ are not possible to combine with mounting/orientation 00, 02, 03, 05, 06, 08, 09, 11, 12, 13, 14, or 15.

Example	Ordering number			
	VGS3010	From table 1.	From table 2.	From table 3.
VGS™3010, Pi12-3, M8 27 mm top, profile kit, B75P 30°/60° Shore A	VGS3010	AC	04	BB