



A collection of LEMAX COVAL industrial pressure sensors and transmitters. The image shows several different models: a large blue and red diaphragm sensor, a black and silver COVAL transmitter with a digital display showing '80', a smaller COVAL transmitter with a display showing '78.5', and another COVAL transmitter with a display showing '85'. There are also various smaller components like a black circular sensor head, a white and silver sensor, and a small blue sensor. The sensors are arranged on a white background.

US8

1

STANDARD SUCTION CUPS

VP, VPG, VPU, VPF, VSA, VSAB, VSAG, VSAJ, VS, VSG, VPO, C

SHAPES: flat, extra flat, 1.5 and 2.5 bellows, oblong, Ø 1 to 600 mm.

MATERIALS: nitrile, silicone, natural rubber and Siton® (resistance to abrasion and temperature up to 320°F). Other special materials on request.

APPLICATIONS/ADVANTAGES: Flat suction cups for gripping flat objects, high precision, vertical loads. Bellows suction cups for round or cylindrical objects, height compensation. 2500 models, available in various materials to suit standard industrial applications.



2

SPECIAL SUCTION CUPS

MVS, VSO, VSD, VSE, VSBO, VPA, VPAG, VPR, VPYR, VSP, VPSC, FPC

APPLICATIONS: special suction cups for handling of light bulbs, CDs, paper products, bottles, bread, eggs, bags, products at high temperature ...

MATERIALS: nitrile, silicone, anti-static silicone, natural rubber, Siton®, ...



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HEAVY LOAD SUCTION CUPS

SPL, VA, VPG, VSAG

A complete range of modular components adaptable to all types of needs for handling heavy loads.



FITTINGS series IM/IF in nickel-plated brass and stainless steel - Screw-type, riveted, hollow shaft, adapters and socketed head screws.



4

MICRO-EJECTORS

CIL, VR, GVR, GVRL

CHARACTERISTICS: vacuum level range up to 90%, suction flow range up to 95 NI/min (3.4 SCFM), optimal supply pressure 5 bar (72 psi).
ADVANTAGES: simplicity of installation and usage, lightweight and compact, clog-free, optimal and efficient performance due to configurable vacuum flow, zero maintenance, silent functioning, customized modules on request.



5

MODULAR VACUUM PUMPS

GVP, GEMP, GVPS, GVPD

CHARACTERISTICS: 3 vacuum levels (50%, 75% & 90%), suction flow up to 450 NI/min (16 SCFM), optimal pressure 4 bar (58 psi).
ADVANTAGES: simplicity of installation and usage, modularity, lightweight and compact, optimal and efficient performance due to configurable suction flow and maximum vacuum level, clog-free, silent functioning, customized modules on request.



6

INTELLIGENT VACUUM PUMPS

LEM, LEM+, LEMAX, LEMAX+, LEMCOM, GVMAX

CHARACTERISTICS: 2 vacuum levels (60% & 85%), suction flow up to 450 NI/min (16 SCFM), optimal supply pressure 4 bar (58 psi), integrated pressure regulator.
ADVANTAGES: plug & play system, simplicity of installation & usage, modularity, lightweight and compact, guaranteed performance and efficiency, clog-free, silent functioning, energy savings due to automatic pressure regulation & vacuum regulation.



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SUCTION CUP ACCESSORIES

TS, YS, TSOP, TSO, L, PMG2, RSC

COVAL offers a wide range of suction cup accessories adaptable to all types of applications such as spring systems, threaded extension rods, flow-restricting nozzles, automatic shut-off valves, and non-return valves.



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PERIPHERALS, VACUUM NETWORK

FVU, FVUG, SILK, NVR, NVA

COVAL offers a complete range of peripherals, such as vacuum feeders, fittings, filters, ..., necessary for optimizing the vacuum network.



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VACUUM MONITORING

PSE, PSA, PSP, PSK, PSD, VAF111

ADVANTAGES: high precision, universal solutions, variety of options: electric, electronic, digital or pneumatic.



You will find our catalogues and 3D CAD Models of all our products, on our web site www.coval.com, or via our free downloadable Mobile apps.

CHARACTERISTICS: The MVG series, using standard vacuum components, provides a made-to-order vacuum gripper solution to handle products of varied sizes, shapes and weights.

ADVANTAGES: Customized sizes (100 x 100mm to 1200 x 1000mm), configurable gripping interfaces (Suction cups, foam, or COVAL-flex) and multi-zoning possibilities. A reliable and efficient solution that is easy to install and use.



CHARACTERISTICS: 3 models ranging from 424mm, 624mm & 824mm in length and 120mm in width. The CVG range of grippers allows you to opt for a vacuum source mounted either onboard or independently.

ADVANTAGES: A reliable and economic solution adaptable to handling all types of objects varying in shape and size. Simple and flexible installation and usage.



COVAL develops customized solutions, on demand, for automated applications in different sectors, such as packaging, food processing and plastic processing.

We are involved throughout the entire production chain, from individual handling of objects to complete end-of-line layer palletization.



A TECHNOLOGICAL PARTNER WITH WORLDWIDE VISION

COVAL, *vacuum managers*, conceives, manufactures and commercializes worldwide components and systems for vacuum automation.

Every year, we keep developing our network of partners (subsidiaries, distributors and independent agents) as our objective is to assist our clients in their quest for local and international markets.

Our mission, is to go beyond the limits of a simple component supplier and assist our clients at each step of our interaction by:

- Organizing specialized training programs for our clients and partners.
- Proposing efficient, economic and reliable solutions
- Ensuring timely delivery and proper installation of our solutions.



COVAL INC.



COVAL S.A.S.



COVAL IBERICA



COVAL GERMANY



COVAL ITALIA



COVAL CHINA

Distributed by:



certified quality
management system

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