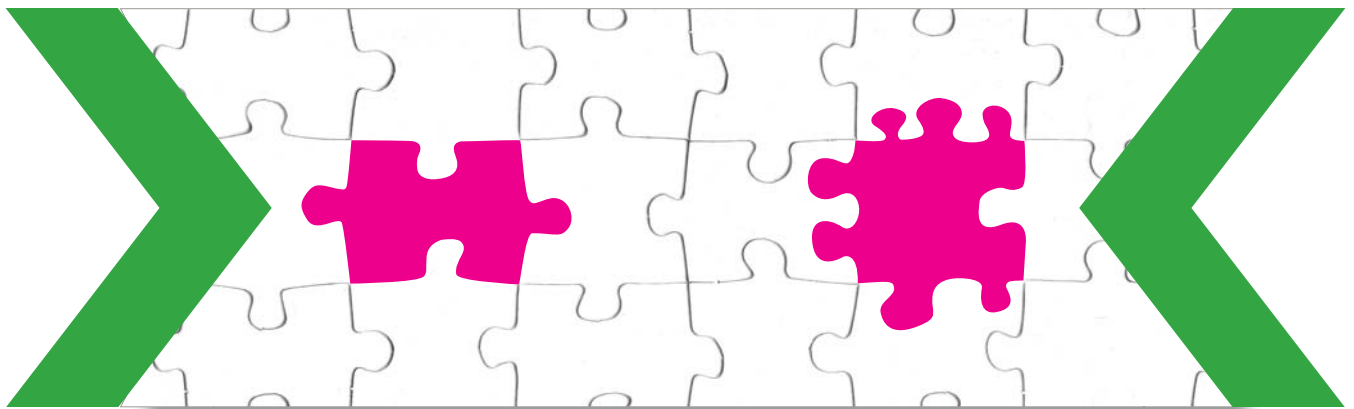


ProCam Smart



A Solution fit for your Processes



Smart Standard

With ProCam Smart Bran+Luebbe offers a high quality, economic pump for less demanding applications.

For basic dosing pump duties and a “Smart” economic solution, select **ProCam Smart**.



Performance is not compromised as the pump range uses the well proven ProCam design to achieve long lasting reliable operation, as expected from all Bran+Luebbe pumps.

Standardization means not only low investment, but as most of the components are identical and interchangeable, spares can be minimized leading to low storage cost and high availability.

The ProCam Smart

The economic multipurpose alternative.

Applications:

- General purpose metering pump of harmless and aggressive fluids
- Economic alternative by standardisation without loss of performance

Advantages:

- Hermetically closed pump design
- Diaphragm head with mechanically operated PTFE double-diaphragm
- Diaphragm status control

Applications:

- Municipal water treatment
- Energy production
- General applications in the chemical industry



Materials

(product wetted parts)

- Stainless Steel

Pump connections

- ID- Thread DIN ISO 228
- NPT (optional)

Pump gear

- Robust cast iron gearbox
- Metallic gear components

Stroke adjustment

- Manual

Type of gear

- Integrated worm- wheel/ -shaft reduction

Lubrication

- Splash lubrication

Drive

- Fixed speed
- Standard IEC motors, IP 55

Operating Pressure / Flowrate

- Diaphragm pump heads: up to 300 psi
- Flow rate: up to 132 gph

The ProCam

Our flexible solution for more demanding requirements.

Applications:

- Flexible metering pump for more demanding requirements
- Building block system including useful options such as customer specific documentation

Advantages

- Hermetically sealed pump design
- Diaphragm head with mechanically operated PTFE double-diaphragm
- Diaphragm condition monitoring system signals the onset of wear

Applications

- Adjustable to formulations by using the building block system
- Chemical / petro-chemical industry
- Food and beverage industry
- Pharmaceutical / cosmetic industry
- Energy production

Additional designs:

- ProCam-plunger pumps
- ProCam Sanitary
- ProCam Hygienic (EHEDG)



Materials

(product wetted parts)

- Stainless Steel
- Plastic (PVC, PP and PVDF)

Pump connections

- ID- Thread DIN ISO 228 (standard)
- Flange DIN / ANSI (optional)
- NPT (optional)
- Food connection DIN 11851 (optional)
- SMS (optional)

Diaphragm status control

- Hose nipple (standard)
- Pressure gauge (optional)
- Pressure switch, EEX i (optional)

Pump gear

- Robust cast iron gearbox
- Metallic gear components

Stroke adjustment

- Manual (standard)
- Electric motor (optional)
- Electric motor with integrated controller Input / output signal 0 – 20 mA (optional)

Flexible building block system

- Multiple pumps combinations are available, with up to 6 pump heads and different combinations of gear modules

Type of gear

- Integrated worm- wheel/ -shaft reduction

Lubrication

- Splash lubrication

Drive

- Fixed speed
- Variable speed drive
- Hazardous areas

ATEX Certification

- Zone 1: CE Ex II 2G c IIB T4 (also applicable for plastic pumpheads)
- Zone 2: CE Ex II 3G c IIC T4

Operating Pressure / Flow rate

- Diaphragm pump heads: up to 300 psi / up to 792 gph
- Plunger pump heads: up to 1,160 psi / up to max 16 gph

Smart Series



ProCam Smart DS 15



ProCam Smart DS 50



ProCam Smart DS 200



ProCam Smart DS 500

Capacity						
ProCam Smart Type	Nominal Max. Capacities* (gph) at stroke speeds				Max. Pressure PSI	connection NPT
	60	86	120	172		
	DS 15	1.6	2.4	3.2	4.7	300
DS 50	5.5	7.9	11.1	15.8	150	3/8"
DS 200	22.2	31.7	44.4	63.4	150	1/2"
DS 500	55.5	79.3	111	158.5	60	1"

* Values at 100% volumetric efficiency

Article Number (please use when ordering)				
ProCam Smart Type	Stroke Speeds			
	60	86	120	172
DS 15	440234	440233	440232	440231
DS 50	440238	440237	440236	440235
DS 200	440242	440241	440240	440239
DS 500	440246	440245	440244	440243

Smart Applications

ProCam Smart in Energy Production

Applications

Chemical degassing
Oxygen scavenging
Corrosion inhibition
Caustification
Decarbonizing

Metered fluids

Hydrazine, Levoxine, Helamin
Hydrazine, Levoxine, Helamin
Hydrogen peroxide (H₂O₂), Helamin
Ammonia (NH₃)
Lime



ProCam Smart in Water and Sewage Treatment

Applications

Flocculation
Fluoridizing
pH-control

Oxidation

Metered fluids

Activated Silica (SiO₂)
Fluorides
Caustic (NaOH)
Lime
Sulphuric Acid (H₂SO₄)
Potassium Permanganate (KMnO₄)



ProCam Smart in the Food and Beverage Industry

Applications

CIP – Cleaning
Coloring of food
Flavoring
Soft Drinks

Metered fluids

NaOH, Nitric acid (HNO₃)
Food certified colors
Fragrances, Essences,
Fragrances, Essences, Oils, Water



ProCam General applications

Chemical Industry
Textile Industry
Paper Industry and Wood Processing
Plastic and Building Chemicals



Packaging - Processing

Bid on Equipment

1-847-683-7720

www.bid-on-equipment.com