

Calibration Pot Duflex AKV

Introduction



Metering pump output rate is always depended on type of chemical, its concentration and discharge condition. Calibration pots Duflex AKV allows accurate, easy and safe calibration of chemical metering pumps flow rate, necessary for precise pump control in technological processes. They are also used to regularly monitor the accuracy and performance of chemical injection systems. Calibration pots together with convenient accessories are used in chemical and industrial processes to achieve safe and precise chemical fluid handling.

Construction and materials

All wetted parts of the calibration pot are designed with respect to maximal chemical resistance and durability.

The tube of the calibration pot is made of hard and chemically neutral borosilicate glass of excellent quality providing clear visibility under all conditions.

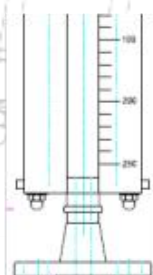
The end cap flanges are most often made of stainless steel AISI 316 and PVDF, materials excellently resistant against wide range of chemicals.

The scale with graduation is carved and coloured in borosilicate glass directly, enabling comfortable value subtraction. The volumetric scale in ML is standard, other options are available on request.

Various sizes of calibration pots are available to fit wide range of applications. The most common sizes are from 250 ml to 5000 ml. All calibration pots can be supplied with either threat or flange connections.

Protective cover made of stainless steel provides maximal mechanical protection against impacts occurring during transport, maintenance or operation.

Other volumes and dimensions than standard are available on request same as special material execution (PTFE coating, PP, PE, PVC, ...) and connections (NPT, DIN, ASME, ...).

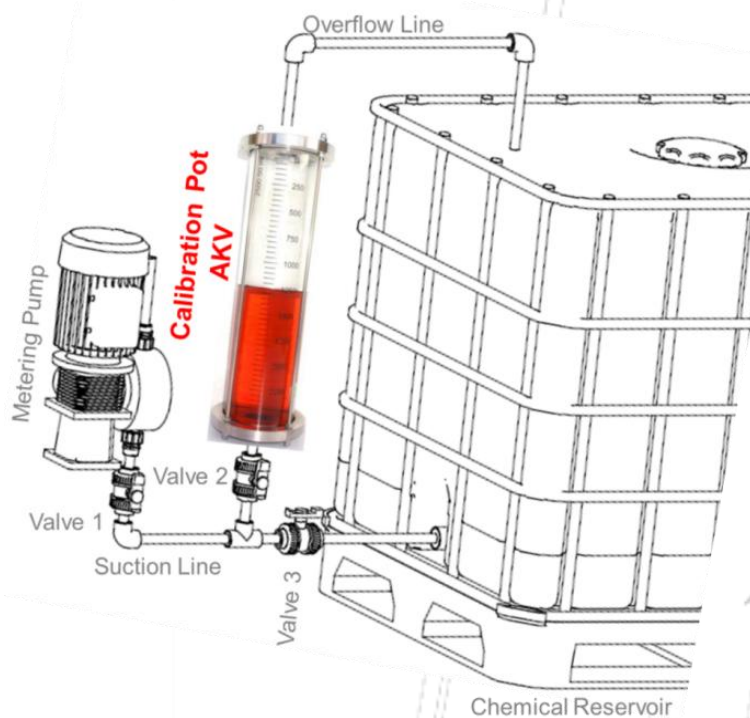


Dimensions

Volume (ml)	250	500	1000	1500	2500	4000	5000
Connection (BSP)	1/2"	1/2"	3/4"	3/4"	1"	1"	1"
Dimension Ø x L (mm)	75x285	75x510	95x440	95x630	140x435	140x645	140x785

Installation

Calibration pot is usually installed on suction site of dosing pump. It should be equipped with isolated valves to enable calibration directly from calibration pot and after calibration switch over to normal flow direction from chemical feed tank.



To check dosing pump rate isolate the chemical inside the calibration pot, leave valve #3 close and valve #2 fully open. Start the pump for one minute operation and observe the number of marks on the scale the fluid passed. This value provides actual metering pump performance per minute for particular chemical its concentration and discharge conditions.

Certificates

Each calibration pot we produced is tested with water to confirm its leak tightness and scale accuracy. After successful testing each calibration pot obtains its own test certificate. Material certificate for all metallic pots is supplied automatically.

