HYDAC INTERNATIONAL

Foot Pedals
HPVP Series

Introduction

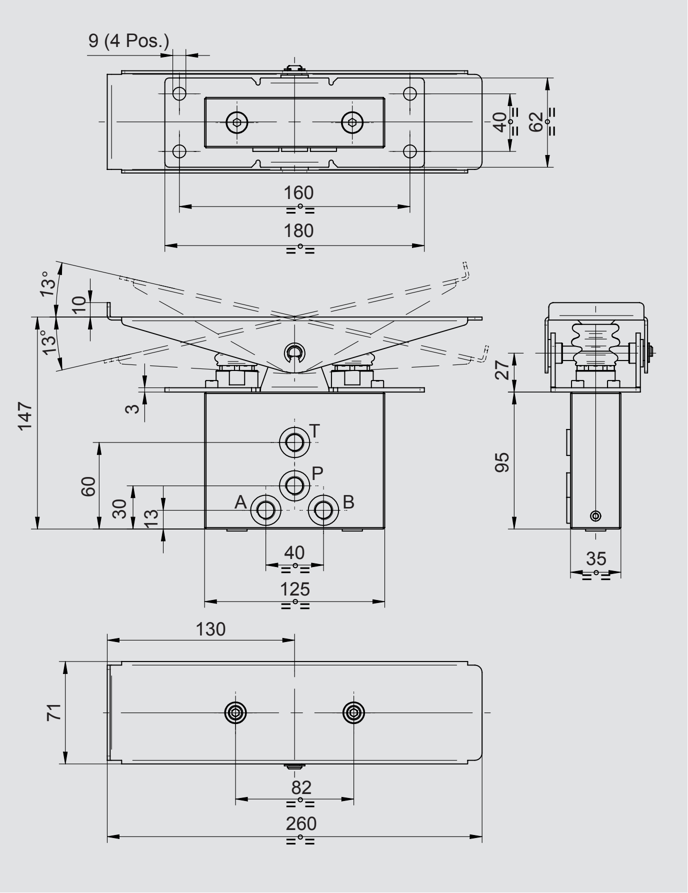
This produkt, with its range of foot pedal controls, supported by anextensive range of control curve characteristics and a choiche of handle options, makes it suitable for a wide range of applications.

Our engineers can offer specialist support to optimise this product to suit your application. The product is supported by a comprehensive Sales and Service facility around the world.

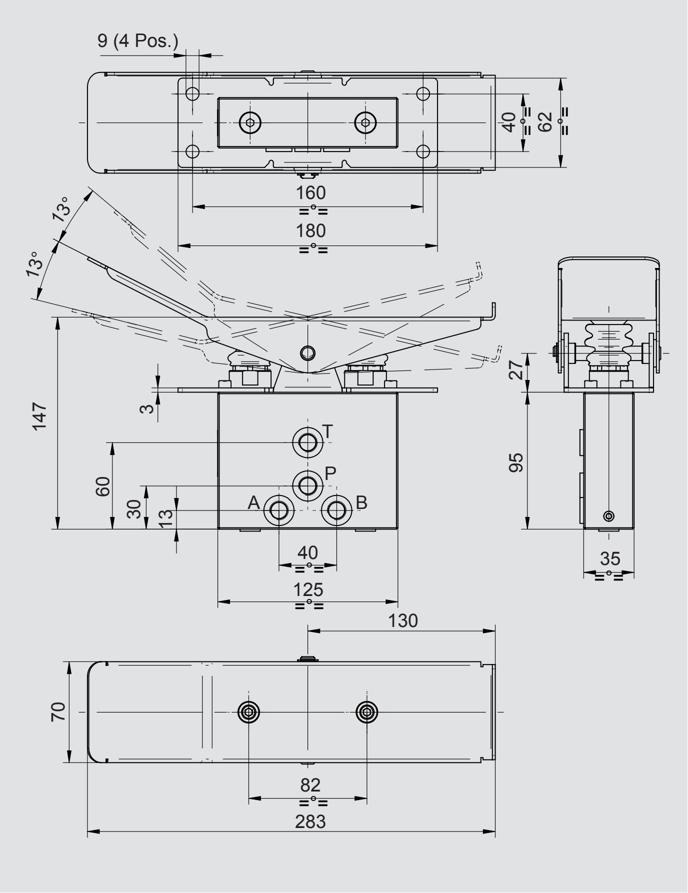
Benefits

- Compact and light weight
- Ports ideally positioned for ease of installation
- Simple to mount
- Compatible with a wide range of procuct
- Operator is insulated from high temperature components
- Proven, simple pressure reducing elements
- Wide range of low hysteresis, high accuracy, pressure control curves
- Range of operator pedal efforts available
- Rubber boot protection to prevent ingress of airborne contaminant
- Rubber boot suitable for a wide range of environmental conditions
- Plunger manufactured from non-corrosive steel
- End of stroke limited externally to prevent any damage to internal components
- Double lip seal option available for increased product life
- Optimised angular movement of foot pedal

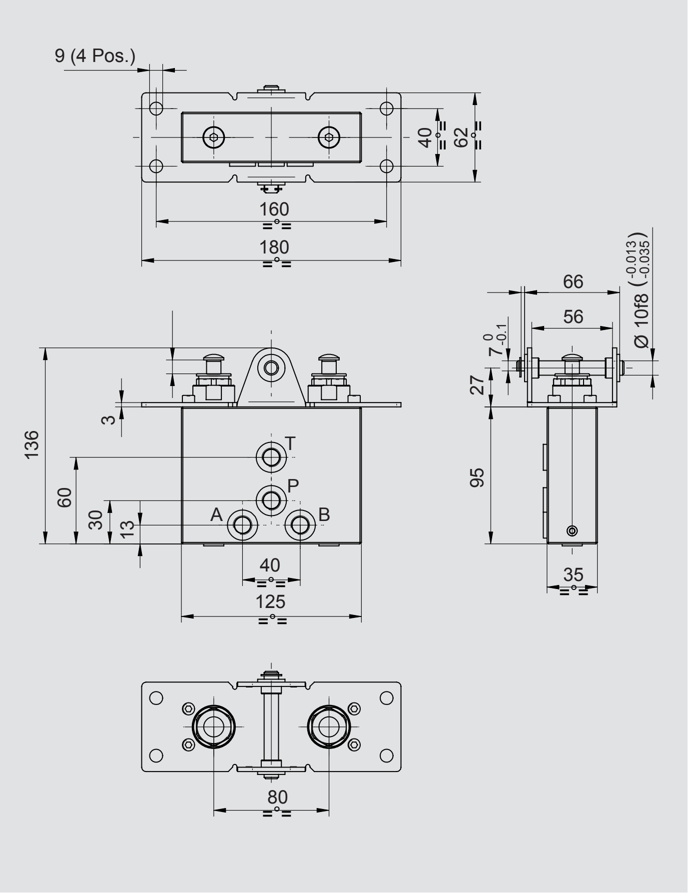
HPVP01S – Flat rocker pedal



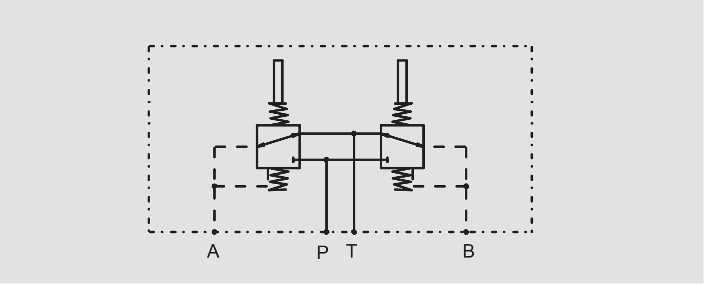
HPVP01V – V shaped rocker pedal



HPVP01W – Without pedal



Hydraulic circuit diagram

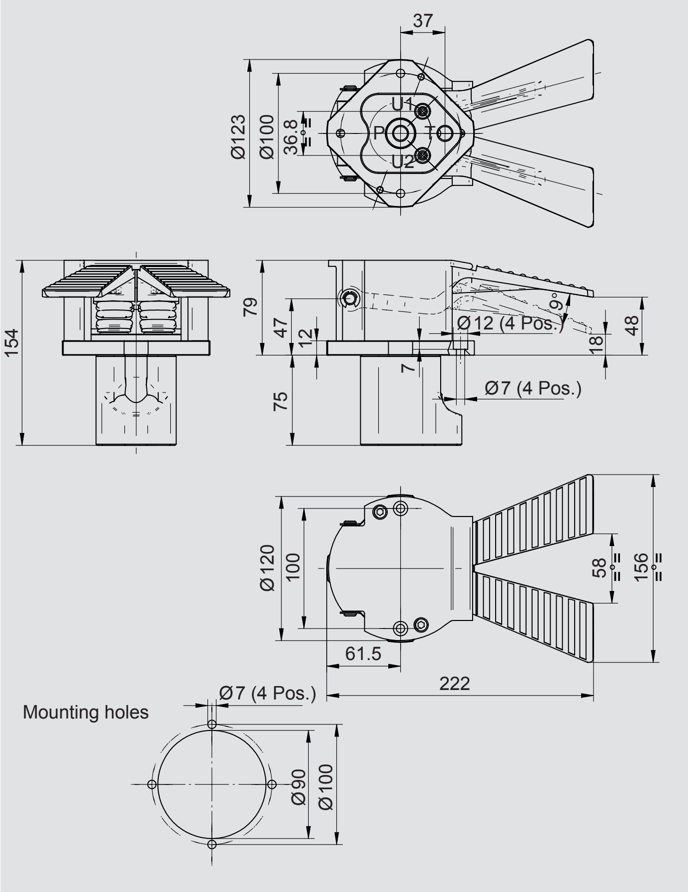


Technical data

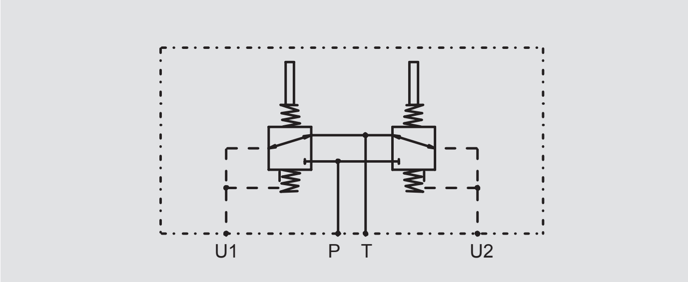
Service ports:	P, T, A, B; 1/4" BSP
Max. inlet pressure*:	Port P – 50 bar
Max. back pressure:	Port T – 3 bar
Supply flow range:	from 5 up to 20 l/min
Fluid:	Mineral Oils ISO, HM and HV
Contamination class:	21/16/13 ISO 4406/1999
Fluid temperature range:	from - 20 °C up to +80 °C

* Higher inlet pressures may be possible. Also bottom porting is available. For both requirements, please consult your Hydac representative.

HPVP02 – Twin pedal



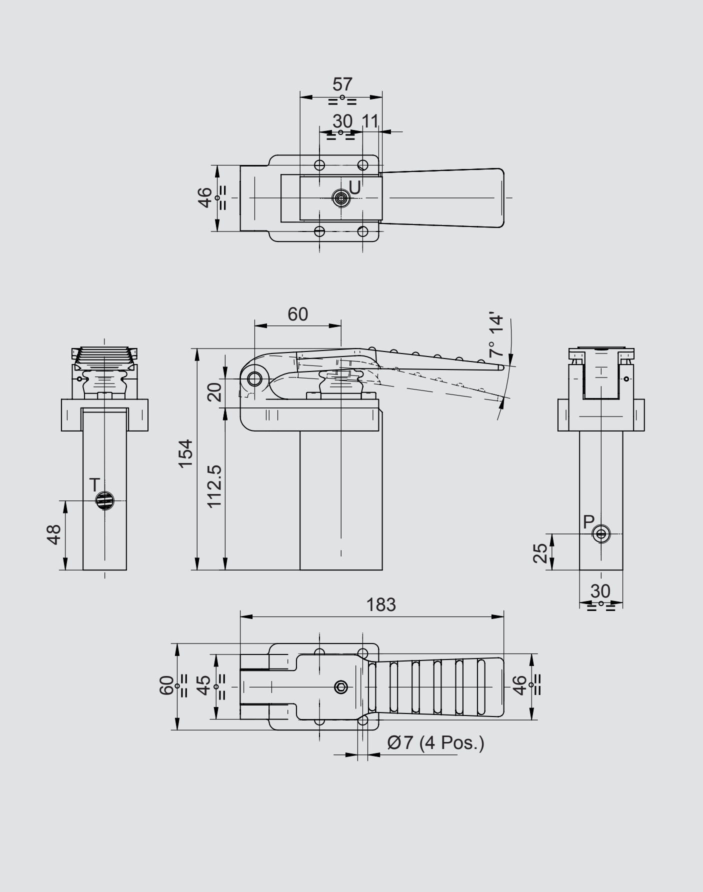
Hydraulic circuit diagram



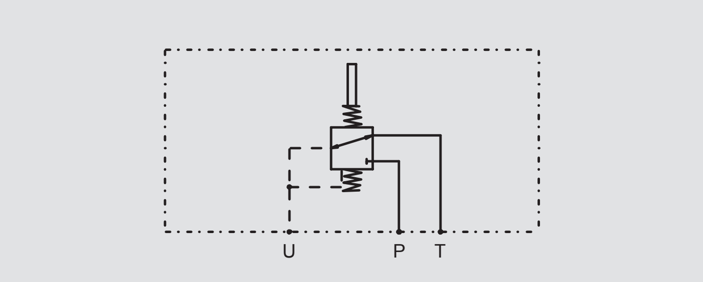
Technical data

Service ports:	P, T, U1, U2; 1/4" BSP
Max. inlet pressure:	Port P – 50 bar
Max. back pressure:	Port T – 3 bar
Supply flow range:	from 5 up to 20 l/min
Max. hysteresis:	+/- 0.5 bar
Fluid:	Mineral Oils ISO, HM and HV
Contamination class:	21/16/13 ISO 4406/1999
Fluid temperature range:	from - 20 °C up to +80 °C

HPVP03 – Single pedal



Hydraulic circuit diagram

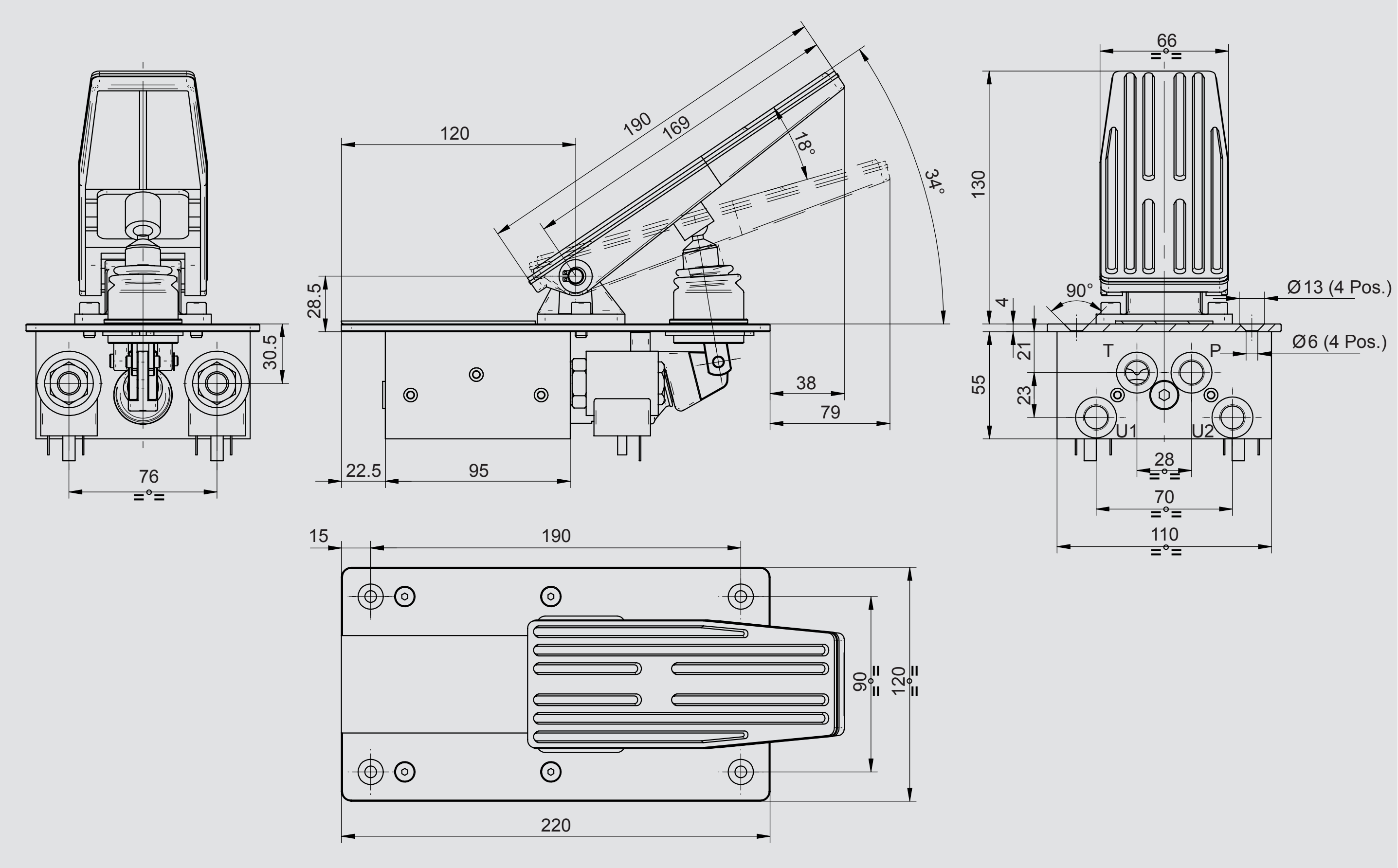


Technical data

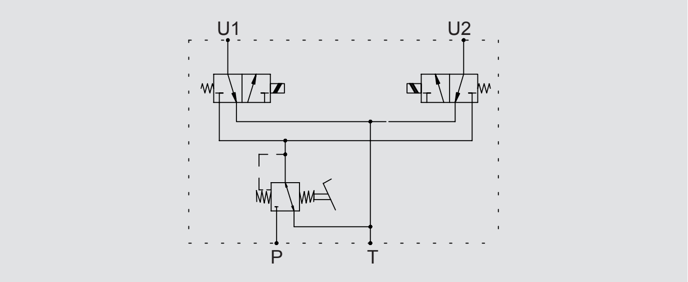
Service ports:	P, T, U; 1/4" BSP
Max. inlet pressure*:	Port P – 50 bar
Max. back pressure:	Port T – 3 bar
Supply flow range:	from 5 up to 20 l/min
Max. hysteresis:	+/- 0.5 bar
Fluid:	Mineral Oils ISO, HM and HV
Contamination class:	16/11 ISO 4406
Fluid temperature range:	from - 20 °C up to +80 °C

* Higher inlet pressures may be possible, please consult your Hydac representative.

HPVP04 – Single pedal with two solenoid valves (12 V DC or 24 V DC**)



Hydraulic circuit diagram



Technical data

Service ports:	P, T, U1, U2; 1/4" BSP
Max. inlet pressure*:	Port P – 50 bar
Max. back pressure:	Port T – 3 bar
Supply flow range:	from 5 up to 20 l/min
Max. hysteresis:	+/- 0.5 bar
Fluid:	Mineral Oils ISO, HM and HV
Contamination class:	21/16/13 ISO 4406/1999
Fluid temperature range:	from - 20 °C up to +80 °C

* Higher inlet pressures may be possible, please consult your Hydac representative.

** Specify the voltage of the coils t the end of the model number; Example: **HPVP04S015SK1 – 12 V DC**

Model code

HPVP XX X XX F X

HPVP = Hydraulic foot pedal HPVP

Basic model number
01 = Rocker pedal with two pilot spools
02 = Twin pedal with two pilot spools
03 = Single pedal with one pilot spool
04 = Single pedal with two solenoid valves (12 or 24 V DC)

Pedal type
S = Flat Pedal
V = V-Shaped Handle (only for 01 model)
W = Without Pedal (only for 01 model)

Metering curve

Plunger seal
SG = Standard nbr seal
SK = Double lip seal (not available on model 01)

Return spring
1 = Standard: 3.0 to 4.5 daN
2 = Heavy: 7.5 to 13.8 daN

Notes

Note

The information in this brochure relates to the operating conditions and applications described.

For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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