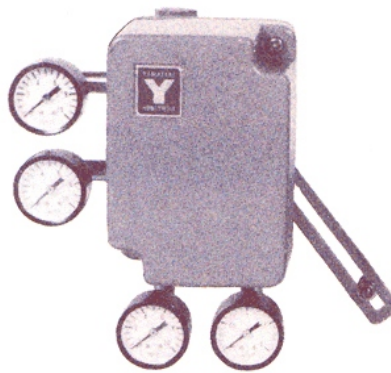


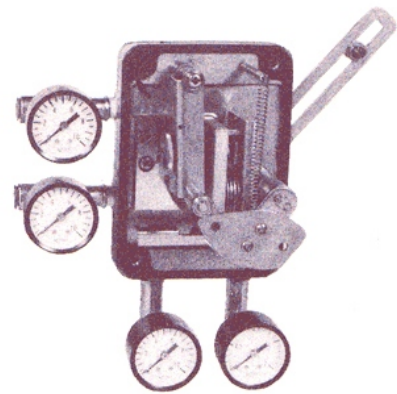


**INSTRUMENTATION LTD.,
PALAKKAD**

**High pressure
single acting /
double acting
Valve Positioners
VPP 08/03**



Exterior view



Interior view

Model VPP 08/03 high pressure single acting/double acting type pneumatic valve positioner mounted on the valve is a force-balance servo-mechanism designed to position the control valve correctly and rapidly by bleeding or feeding air to Spring return Piston Cylinder/double acting actuator in accordance with the pneumatic signal from a controller.

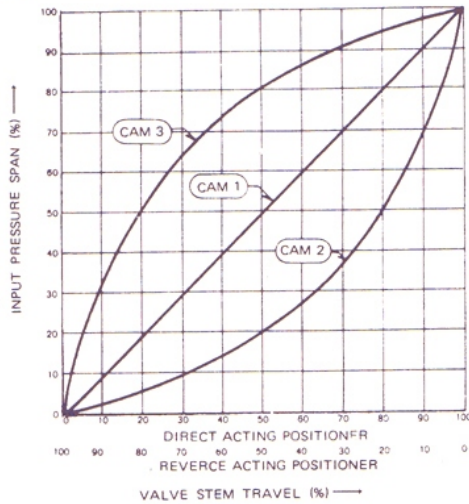
Features

1. Wide range of supply air pressure can be given.
2. Simple and durable construction make it easy for adjustment and maintenance.
3. No changing part is required for reversing positioner action (But changing of air piping between positioner and actuator is required for VPP-03). Characteristic change can also be made by cam.
4. The mounting orientation of positioner is the same regardless of the valve action.
5. Anti-corrosive materials are used for components. Thus it is suitable for service in bad operating atmosphere.

S P E C I F I C A T I O N S

Housing material :	Aluminum alloy casting
Finish :	Acryl baking finish
Colour of finish :	Dark beige (Smooth tone finish)
Input :	0.2 ~ 1.0 Kg/cm ² (Standard) 0.2 ~ 0.6, 0.6 ~ 1.0 kgf/cm ² (Optional)
Supply air pressure :	3.6 ~ 7.0 kgf/cm ²
Air consumption :	20 NI/min. (normal state, supply air pressure 5 kg/cm ²)
Maximum capacity of air flow :	250 NI/min. (supply air pressure 5 kg/cm ²)
Air piping connection :	1/4" NPT tap thread
Ambient temperature limit :	-30 ~ +80C
Accuracy :	± 1.0% FS
Dead band :	Within 0.2% FS
Stroke adjustable range :	14~ 150 mm
Net weight :	Approx. 3.5 kg

C A M C H A R A C T E R I S T I C S

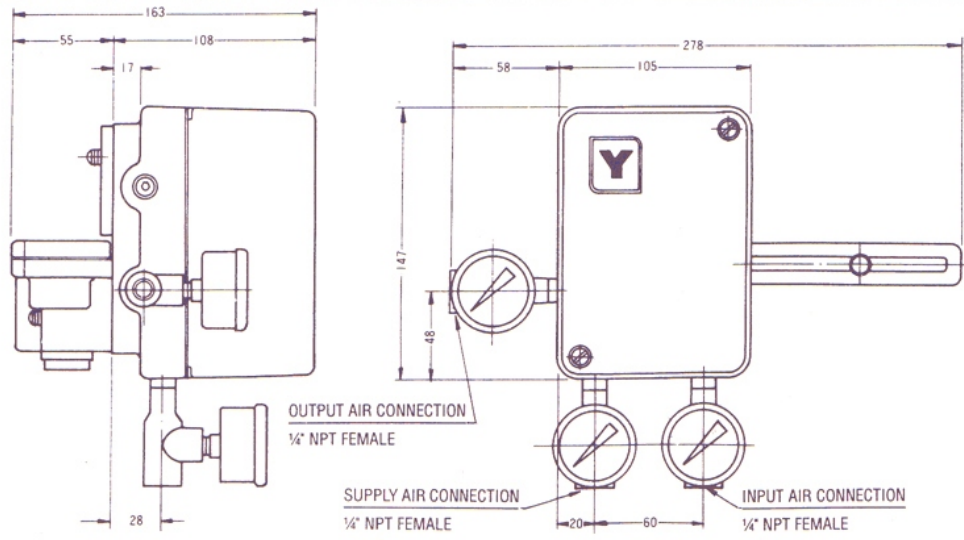


Linear (cam 1, standard) and two other kinds. By selecting the other two cams, valve characteristics can be approximated as follows :

- (1) For reverse acting valve
 - Cam 2
 - ▶ Linear characteristic valve plug → Quick opening characteristic
 - ▶ Equal percentage characteristic valve plug → Linear characteristic
 - Cam 3
 - ▶ Linear characteristic valve plug → Equal percentage characteristic
 - ▶ Quick opening valve plug → Linear characteristic
- (2) For direct acting valve

The effect of cams 2 and 3 applied to direct action valves is reversed as compared with the case of reverse action valves.

E X T E R N A L D I M E N S I O N S



O R D E R I N G I N F O R M A T I O N

When ordering, please specify :

1. Model No.
2. Input range
3. Cam characteristic



Instrumentation Ltd.

(A Govt. of India Enterprise)
 Kanjikode West, Palakkad, Kerala-678 623. Phone - (0491) 566127 to 566130,
 567128, 567129, 566227, 566133 Fax - (0491) 566135, 566240,
 Grams - PALINST. Telex - 0852-260 ILP IN



ISO 9001
 APPROVED BY
 IRQS



A DEPARTMENT OF
 INDIAN REGISTER OF
 SHIPPING

ACCREDITED BY
 DUTCH COUNCIL FOR
 CERTIFICATION

REGD. OFFICE

Kota - 324 005 (Rajasthan)
 Phone (0744) 424591
 (8 Lines), 427394
 (4 lines), 423381 (5 Lines)
 Telex - 0305 -203, 227
 Fax - (744) 424322,
 422505, 425510

BRANCH OFFICES

DELHI
 Core No. 6, 7th Floor,
 SCOPE Complex,
 7 Institutional Area,
 Lodhi Road, New Delhi-110 003,
 Phone - (011) 4360101,
 4360882, 4361014, 4364605
 Telex - 031- 63272 ILD IN
 Fax - (011) 4360905

MUMBAI
 Shriniketan Bldg.,
 'F' Shivsagar Estate,
 Dr. Annie Besant Road,
 Worli, Mumbai-400 018,
 Phone : (022) , 4964547
 (5 Lines), 4933438
 Telex - 011-73675
 Fax: (022) 4950419

CALCUTTA
 Kohinoor Building, 105
 Park Street,
 Calcutta-700 016,
 Phone - (033) 2263101,
 2263105, 2263778,
 2267493
 Telex: 021-5869
 Fax - (226) 3104

CHENNAI
 13, 5th Cross Street, United
 India Colony, Kodambakkam,
 Chennai-600 024
 Phone - (044) 4816166,
 4819207, 4819225,
 Telex : 041-25143
 Fax : (044) 4819208
 Grams : PROCINST

* Specifications are subject to change without notice.