

## Variable Area Flowmeters

### HYDRAPRO Flow, Pressure & Temperature test kit with loading valve

#### HYDRAPRO Hydraulic Test Kits

Used to Diagnose faults in hydraulic circuits, determine hydraulic horsepower and test for component wear such as hydraulic valve and cylinder leakage



- A complete troubleshooting system
- Plan component repairs
- Economical, compact and rugged
- Non-electrical
- Easy to use loading valve with safety blow out disc

#### Technical data

- Temperature: to +206°C
- Pressure rating: (3:1 safety factor)  
3/4" through 1 1/2" sizes;  
345 bar maximum
- Pressure drop: on request
- Accuracy: ±2% of full scale
- Repeatability: ±1%
- Threads: BSPP - NPT and SAE available upon request
- Test kit pressure gauge - Glycerin filled: 0-400 bar (0-6000 psi)
- Test kit load valve: Pressure compensated balanced, 414 bar

#### Materials of construction

- Body: 303 stainless steel
- Piston & cone: 2024-351 Aluminium, anodized
- Spider plate: 316 stainless steel
- Spring: 302 stainless steel
- Fasteners: 303 stainless steel
- Pressure seals: Viton
- Guard: Polycarbonate
- Retaining ring: SAE 1070/1090 Carbon steel
- Retaining spring: SAE 1070/1090 Carbon steel
- Indicator & Internal Magnet: PPS/Ceramic
- Guard/Bumper: Buna N
- Scale Support: 6063-T6 Aluminium
- End caps: Nylon ST

#### Options & Ordering Information

| Part number      | Connection size | Flow range     | Pressure range | Temp. range |
|------------------|-----------------|----------------|----------------|-------------|
| HP.702.S.030.TKV | 3/4" BSP        | 10...110 l/min | 0...350 bar    | 0...120°C   |
| HP.762.S.050.TKV | 1" BSP          | 19...190 l/min | 0...350 bar    | 0...120°C   |

| Spare parts | Description                                |
|-------------|--|
| F1614-6000  | 400 bar safety blow out discs (pack of 10) |



Supplied in sturdy carry case with foam insert