

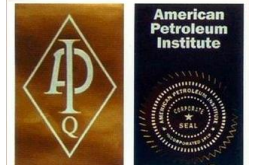


Product Catalogue

www.cyvalve.com

**Sichuan Changyi Oil and Gas Gathering
Transportation Equipment Co., Ltd**

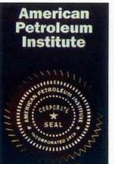
>> COMPANY PROFILE



Sichuan Changyi Oil and Gas Gathering Transportation Equipment Co., Ltd ,(previously named as Leshan Changyi Valve Manufacturing Co., Ltd) covers an area of 180Mu (i.e. 120000m²) in Leshan ,Sichuan province and holds an asset of RMB 170 Million with 300 sets of facility, specializes in researching, designing, manufacturing the oil and gas transportation equipments.

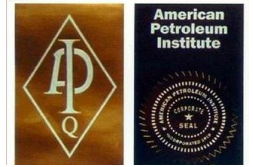
Sichuan Changyi has been public company (Stock No. 830902 in 3rd New Market) since year 2014 with high reputations as key Enterprise of Manufacturing Special Equipments, HI-Tech Corporate Sichuan Innovation Enterprise ,Sichuan Famous Product, Sichuan Famous Brand, Provincial Technical Center ,CNPC First-Class Supplier, Excellent Supplier for National West-East Gas Pipeline Project and Excellent Supplier for the West Crude Oil Pipeline Project .

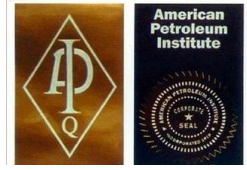




01	Globe Vent Valve	<ul style="list-style-type: none">FJ41Y (3 patents)MDFJ61Y (2 patents)SLJ41Y /SLJ44Y (2 patents)
02	Drain Valve	<ul style="list-style-type: none">TP 41Y (3 patents)MDTP 61Y (1 patents)
03	Safety Valve	<ul style="list-style-type: none">AF46Y (3 patents)A41Y\A42Y\KA42Y\DA42YACVF (2 patents)
04	Others	<ul style="list-style-type: none">Gas Cutoff ValveInstrument Valve (2 patents)Multi Selector Valve (2 patents)

VALVE CONTENTS

[illegible]



> > Throttle Glove Vent Valve FJ41Y、FJ541Y、FJ9B41Y

National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

Features



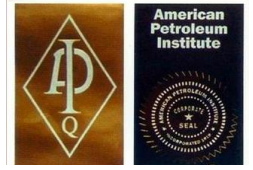
- TGVV is specialized in evacuating oil and gas pipelines under emergency or maintenance. It 's at least with service life of 30 years
- TGVV is in market for nearly 20 years and now it's in fifth upgrade of TGVV.
- Zero leakage of HP air and HP liquid
- Integrated function of throttling and Depressurizing flow
- Auto Slag Storage and Slag Clean
- Forward and Backward Movement of the Media;
- Small Vibration and Low Noise
- Seal with O ring and PTFE

Product Range

PN	1.6~42.0MPa (ANSI 150Class~2500Class)
DN	15~500MM (NPS 1/2"~20")
°C	General: -29°C~130°C High: 130°C~350°C Low: -101°C~-29°C
Media	Oil, purified natural gas, sulfur gas ($H_2S+CO_2 \leq 8\text{mol}\%$), high sour gas($H_2S+CO_2 \leq 21\text{mol}\%$), City gas
Drive	Manual ,electric, bevel gear
	Structure length: ANSI B16.10、GB/T12221
	Flange joint: ANSI B16.5、JB/T79、HG20592~20635、GB/T9113
STD	Test: API 598、GB/T13927、JB/T9092
	Anti-sulfur valve: NACE MR 0175、SY/T0599-2006



> > Throttle Glove Vent Valve
FJ41Y、FJ541Y、FJ9B41Y



National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

CUSTOMER REFERENCE LIST(Partially)

China-Burma
Gas Pipeline

Shanxi-Beijing

Zhongwu Pipeline

Zhanarol KC₁₃ Pipeline

West-East Gas
Pipeline

Mid-Asia Pipeline

Sichuan-East Pipeline

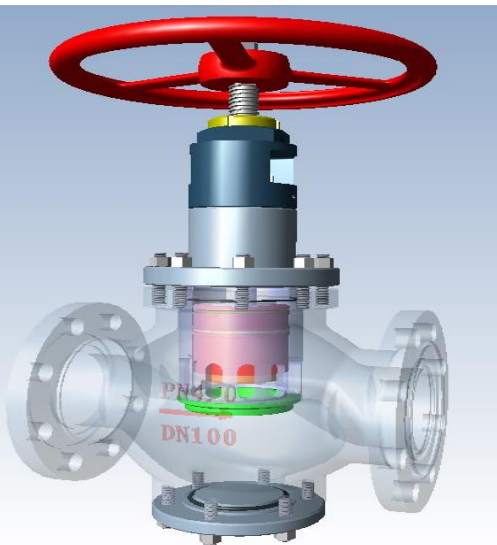
Southwest Gas Field

PRODUCTS ON SITE

Gas Storage Tank



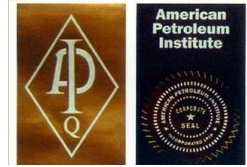
West-East Natural Gas Transport



Part	Ordinary °C	Sulfur resistant	High °C	Low °C
body /Bonnet	ASTM A216、WCB、WCC; ASTM A105; 20			ASTM A352 LCB、LC2 ASTM A350 LF2 ASTM A351 CF8、CF3、CF8M、CF3M ASTM A182 316、316L、304、304L
seat	2Cr13 seal surface Satellite alloy	Sulfur resistant hard alloy	2Cr13 seal surface Satellite alloy	Stainless steel surface Stellite alloy
Stem	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
sleeve	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Soft seal	NBR	F4 rubber	Enhance PTFE	Cold gum
Packing		PTFE	Expanded graphite	PTFE

Material List

> > Throttle Globe Valve Dual function SLJ41Y、SLJ44Y



National Patents: ZL92221927.3 、 ZL00245138.7 、 ZL201020562970.8

Features

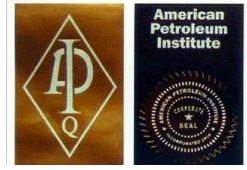


- TGV, as a new design with a labyrinth valve shaft, is specialized in regulating and stopping flow of oil and gas pipelines .
- TGV is awarded as state key new product in year 2004 and now it's in fifth upgrade.
- 8-10 times of service life compared with normal draining valve .
- Multiple steps to stop media flow .

Product Range

PN	1.6~25.0MPa (ANSI 150Class~2500Class)
DN	15~250MM (NPS 1/2" ~20")
℃	General: -29℃~130℃ High: 130℃~350℃ Low: -101℃~-29℃
Media	Oil, purified natural gas, sulfur gas ($H_2S+CO_2 \leq 8\text{mol}\%$) , high sour gas($H_2S+CO_2 \leq 21\text{mol}\%$) , City gas
Drive	Manual ,Electric, Bevel Gear
STD	Structure length: ANSI B16.10、GB/T12221 Flange joint: ANSI B16.5、JB/T79、HG20592~20635、GB/T9113 Test: API 598、GB/T13927、JB/T9092 Anti-sulfur valve: NACE MR 0175、SY/T0599





> > Throttle Glove Valve Dual function SLJ41Y、SLJ44Y

National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

Performance On Site (Partially)



Part	Ordinary °C	Sulfur resistant	High °C	Low °C
body /Bonnet	ASTM A216、WCB、WCC; ASTM A105; 20		ASTM A352 LCB、LCC ASTM A350 LF2 ASTM A351 CF8、CF3、 CF8M、CF3M ASTM A182 316、316L、304、304L	
Seat	2Cr13 seal surface +Satellite alloy	Sulfur resistant hard alloy	2Cr13 seal surface + Satellite alloy	Stainless steel surface +Stellite alloy
Stem	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Sleeve	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Seal		F4 rubber	Enhance PTFE	PTFE
Packing		PTFE	Graphite	PTFE

> > Throttle Glove Vent Valve (Underground) MDFJ61Y



National Patents : ZL92223823.5 、 ZL99231202.7

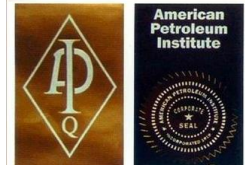
Features



- Underground FJ now is more and more attractive to overseas clients ;
- Underground FJ I is hard and soft sealed with zero leakage performance of gas medium;
- Integrated function of Venting medium and pressure relieving ;
- Auto Slag Storage;
- Eddy medium current at the slot of the spool bottom makes soft seal auto purged ; Forward and Backward Movement of the Media;
- Light Operation and Low Noise;
- Seal with O ring and PTFE ;



> > Throttle Glove Vent Valve (Underground) MDFJ61Y



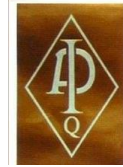
National Patents : ZL92223823.5 、 ZL99231202.7

Part	Material
Valve body and Bonnet	ASTM A352/LCB 、 LCC; ASTM A216/WCB、 WCC
Seat \ Spool	2Cr13Stellite 2Cr13 trim overlay welding Stellite alloy
Stem	2Cr13
Soft seal	Low-temperature rubber O-ring
Padding	PTFE
Stem nut	Aldary
Hand wheel	20 Steel
Shields	Q235-A
Long sleeve	20 Steel
Welding ring	ASTM A350/LF2
bolt	ASTM A193 B7/35CrMoA
nut	ASTM A194 2H/35、 30CrMo
The rest of the internal parts	Stainless steel
nut	ASTM A194 2H/35、 30CrMo
The rest of the internal parts	Stainless steel

Model explanation	MDFJ 6 1 Y — 600Class
MD	Underground type
FJ	Throttle Glove Vent Valve Type
6	Welded
1	Direct connection structure
Y	Hard alloy seal
600Class	Pressure Level

Part	specification	Specification
Classes	10.0MPa; 600CLASS	
Diameter	DN150-DN400; NPS 6" - 16" ;	
Work °C	-46°C ~130°C	
Medium	Oil, natural gas, all kinds of corrosive liquid medium	
Standard	Design API6D 、 ASME B31.8 、 GB/T12235-2007 、 GB/T12224-2005; Flange: ANSI B16.10, GB/T12221-2005 ; Test And Inspection : AP1598; The Underground Part : SY/T 0447-1996	

> > Sleeve Draining Valve TP41Y、TP541Y



National Patens: ZL97205605.X、 ZL02222181.6 ZL201020538429.3

Features



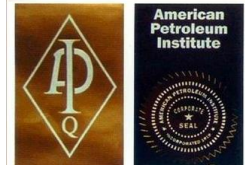
- SDV is specialized in draining big impurities of oil and gas pipelines .
- SDV is awarded as state key new product in year 2004 and now it's in fifth upgrade.
- 8-10 times of service life compared with normal draining valve .
- Zero leakage of gas and liquid media.
- Auto Slag Storage and Slag Clean.
- Flexible open and close with small torque .
- Seal with O ring and PTFE.
- Full lubrication oil for whole valve service life .

Product Range

PN	1.6~25.0MPa (ANSI 150Class~2500Class)
DN	15~250MM (NPS 1/2"~20")
℃	General: -29℃~130℃ High: 130℃~350℃ Low: -101℃~-29℃
Media	Oil, purified natural gas, sulfur gas ($H_2S+CO_2 \leq 8\text{mol}\%$) , high sour gas($H_2S+CO_2 \leq 21\text{mol}\%$) , City gas
Drive	Manual ,Electric, Bevel Gear
STD	Structure length: ANSI B16.10、GB/T12221 Flange joint : ANSI B16.5、JB/T79、HG20592 ~ 20635、 GB/T9113; Test: API 598、GB/T13927、JB/T9092 Anti-sulfur valve: NACE MR 0175、SY/T0599



> > Sleeve Draining Valve TP41Y、TP541Y



National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

Material List

Part	Ordinary ℃	Sulfur Resistant	High ℃	Low ℃
Body Bonnet	ASTM A216、WCB、WCC; ASTM A105; 20		ASTM A352 LCB、 LCC ASTM A350 LF2 ASTM A351 CF8、 CF3、 CF8M、CF3M ASTM A182 316、 316L、304、304L	
Seat	2Cr13 seal surface +Satellite alloy	Sulfur resistant hard alloy	2Cr13 seal surface + Satellite alloy	Stainless steel surface +Stellite alloy
Stem	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Sleeve	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Soft Seal		F4 rubber	Enhance PTFE	PTFE
Packing		PTFE	Expanded graphite	PTFE

Partial Customer List



Jilin Oilfield



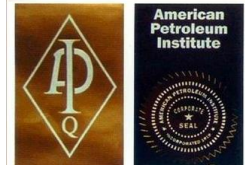
Beijing Natural Gas Gatherings



SW Oil & Gas Field Branch



> > Sleeve Drain Valve (Underground) MDTF61Y



National Patent : ZL02222181.6

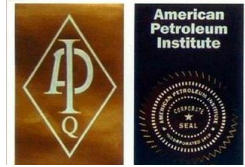
Features



- Underground SDV now is more and more attractive to overseas clients ;
- Underground SDV I is hard and soft sealed with zero leakage performance of gas medium;
- Integrated function of draining medium and pressure relieving with less erosion on seal surface ;
- Auto Slag Storage;
- Eddy medium current at the slot of the spool bottom makes soft seal auto purged ; Forward and Backward Movement of the Media;
- Light Operation and Low Noise;
- Seal with O ring and PTFE ;



> > Sleeve Drain Valve (Underground) MDTF61Y



National Patent : ZL02222181.6

Part	Material
Valve body and Bonnet	ASTM A352/LCB 、 LCC; ASTM A216/WCB、 WCC
Seat \ Spool	2Cr13Stellite 2Cr13 trim overlay welding Stellite alloy
Stem	2Cr13
Soft seal	Low-temperature rubber O-ring
Padding	PTFE
Stem nut	Aldary
Hand wheel	20 Steel
Shields	Q235-A
Long sleeve	20 Steel
Welding ring	ASTM A350/LF2
bolt	ASTM A193 B7/35CrMoA
nut	ASTM A194 2H/35、 30CrMo
The rest of the internal parts	Stainless steel
nut	ASTM A194 2H/35、 30CrMo
The rest of the internal parts	Stainless steel

Model explanation	MDFJ 6 1 Y — 600Class
MD	Underground type
TP	Sleeve Drain Valve Type
6	Welded
1	Direct connection structure
Y	Hard alloy seal
600Class	Pressure Level

Part	specification	Specification
Classes	10.0MPa; 600CLASS	
Diameter	DN150-DN400; NPS 6" - 16" ;	
Work °C	-46°C ~130°C	
Medium	Oil, natural gas, all kinds of corrosive liquid medium	
Standard	Design API6D 、 ASME B31.8 、 GB/T12235-2007 、 GB/T12224-2005; Flange: ANSI B16.10, GB/T12221-2005 ; Test And Inspection :AP1598; The Underground Part : SY/T 0447-1996	

> > Pilot Safety Valve AF46Y



National Patents: ZL96232917. 7、 ZL00223139. 5、 ZL200820063349. X

Features



- PSV is Specialized in Relieving Gas under the Pilot Valve Control in Use of Labyrinth Damping Piston , i.e. Overload Pressure $\Delta P_0 < 3\%P_s$, Open -Close Pressure Drop $\Delta P_{bl} < 8\%P_s$
- PSV is Awarded as State Key New Product in Year 2001 , the State Torch Plan Project in year 2003 ,and State Innovation Fund Project.
- It's Featured with High Precision, Immediate Reaction, Big Workload
- Seal with dual material and Quick Recover at bubble- level seal
- Be Applied in NG Pipeline, Boiler, Vessel

Product Range

PN	1.6~25.0MPa (ANSI 150Class~2500Class)						
DN	25~200MM (NPS 1/2"~8")						
℃	General: -29℃~130℃						
Media	Oil, purified natural gas, sulfur gas ($H_2S+CO_2 \leq 8\text{mol}\%$) , high sour gas($H_2S+CO_2 \leq 21\text{mol}\%$) , City gas						
STD	Structure length: API526、JB/T12242						
	Flange joint: ANSI B16.5、JB/T79、HG20592~20635、GB/T9113						
	Test: API 527、GB/T12241、GB/T12242						
	Anti-sulfur valve: NACE MR 0175、SY/T0599						
PN Safety Valve	1.6	2.5	4.0	6.3	10.0	16.0	25.0
PN Inlet Flange	1.6	2.5	4.0	6.3	10.0	16.0	25.0
PN Outlet Flange	1.0 /1.6	1.6	2.5	4.0	4.0/6.3	6.3	6.3
API Safety Valve Class	150	300	400	600	900	1500	
API PN Outlet Flange Class	150	150	150	150	300	300	



> > Pilot Safety Valve AF46Y

Product On Site

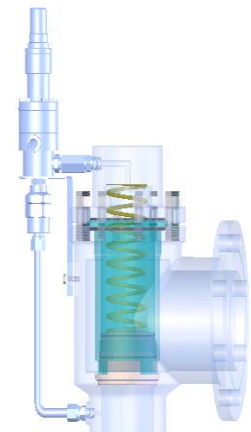


National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5



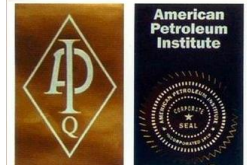
Part	Ordinary °C	Sulfur resistant	High °C	Low °C
body Bonnet	ASTM A216、WCB、WCC; ASTM A105; 20			ASTM A352 LCB、LCC ASTM A350 LF2 ASTM A351 CF8、CF3、 CF8M、CF3M ASTM A182 316、316L、304、304L
Seat	2Cr13 seal surface +Satellite alloy	Sulfur resistant hard alloy	2Cr13 seal surface + Satellite alloy	Stainless steel surface +Stellite alloy
Stem	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Sleeve	2Cr13	Sulfur resistant stainless steel	2Cr13	Stainless steel
Soft seal	Viton	Viton	Enhance PTFE	Cold Viton
Spring	50CrVA	3YC-7	50CrVA	50CrVA Coated with Teflon Plastic
Pilot Valve	Stainless steel	Stainless steel	Stainless steel	Stainless steel

Material List



> > Spring Loaded Safety Valve

A41Y\A42Y\KA42Y\DA42Y\AH42Y



Features

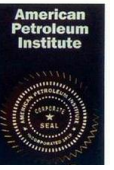
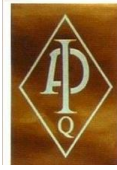


- SSV is used as extra-pressure protection device for the medium of are , N₂,H₂ Mixed gas, water etc
- It's Featured with low load range and high precision,
- work temperature is less than 200 °C

Part	A41Y-160 A41Y-320	A41Y-160P A41Y-320R	A41Y-160R A41Y-320R
Seat +Stem +Disc	2Cr13	1Cr18Ni9Ti	1Cr18Ni9Ti
Flange	35/35CrMoA	2Cr13	1Cr18Ni9Ti
Body	35/40	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
Bonnet	ZG230-450	1Cr18Ni9Ti	1Cr18Ni9Ti
Spring	50CrVA	Coated Teflon	Coated Teflon
Adjusting Bolt	45	2Cr13	2Cr13

Material List

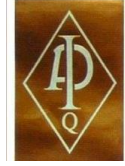
> > Spring Loaded Safety Valve
A41Y\A42Y\KA42Y\DA42Y\AH42Y



Product On Site



> > Axial Flow Safety Valve ACVF



National Patents No. 201520310010.5、201510244758.4

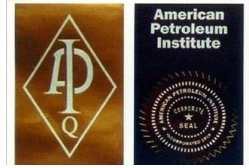
Product Performance

- Zero leakage
- Unprecedented Performance record of 100% cut-off and not affected by Execution device types .
- Axial- direction force is not affected by the pressure of both valve ends;
- Axial flow Valve, compared with traditional valve , owns fast & tight structure and small execution device;
- Achieve the Bidirectional Flow under the condition of zero leakage of main seal;
- Auto- slag clear respectively at the moment of opening and closing finales.

Part	material
Body / Bonnet	Cast Steel: ASTM A216 WCB、WCC; ASTM A352 LCB、LCC / ASTM A216 WCB、WCC, ASTM A352 LCB、LCC , 20#、ASTM A105、ASTM A350 LF2
Spool& Seat	Stainless Steel and Hard Alloy
Stem	Stainless Steel
Pilot Sleeve	Stainless Steel
Shaft Pin + plug	Stainless Steel
Cushion + bolt	Stainless steel
sleeve + spool	Stainless steel + hard alloy
Padding Material	PTFE



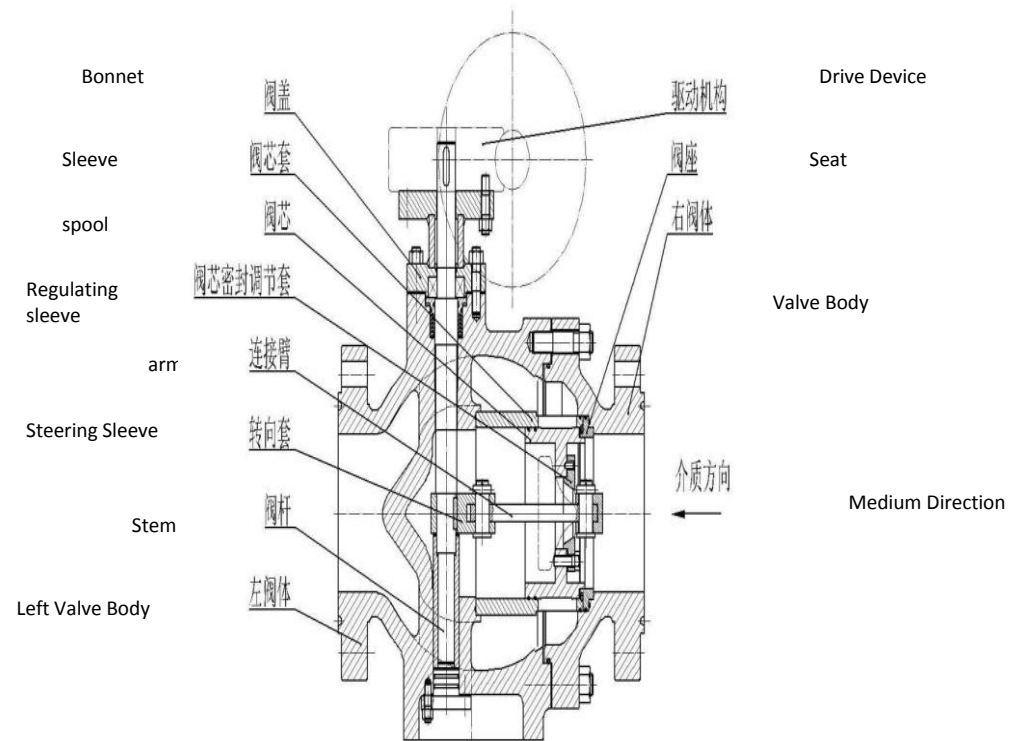
> > Axial Flow Safety Valve ACVF



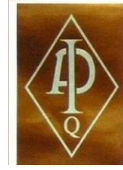
National Patents No. 201520310010.5、201510244758.4

Product Range & Performance

Part	specification
Classes	1.6-16.0MPa; 150CLASS-900CLASS, 10000PSI
Diameter	DN50-DN500; NPS 2" - 20" ;
Work °C	-46°C ~ 130°C; L range -20°C ~ -200°C
Medium	Oil, purified natural gas, sulfur gas (H ₂ S+CO ₂ ≤8mol%), high sour gas(H ₂ S+CO ₂ ≤21mol%) , City gas
Standard	Design : GB/T 17213, IEC60534 ;Structure Length :ANSI B16.10, GB/T 12221 ; Flange: ANSI B16.5, JB/T79-94 ; Test And Inspection : JB/T 7387, GB/T172213, MSS-SP-61、 ANSI/FCI 70-2
Leakage Ratio	> IV , FCI 70-2
Drive	Electric , Worm Gear
Open rating	10%~90%
dBA	≤85dBA at 1 m away from downstream of valve



> > Gas Cutoff Valve RAJ-1.6 ~ 10.0 Series



National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

Features

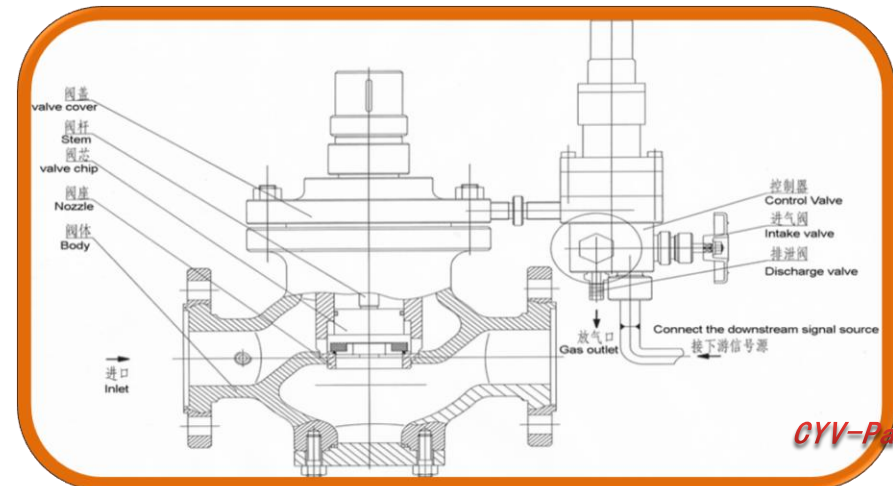


- GCV is only applied as automatic safety device during gas gathering when the gas pipeline over-pressured.
- High Cut-off Accuracy, Instant Response and no Noise.+
- Automatic Cutoff Over Medium Pressure.
- Easy Start-Stop Operation and Long Service Life.
- Remote Control, Monitoring and Alarming System.
- Less Weariness to Seal Surface Compared with Leverage Valve.

K) RA J—
600CL— 4/ G
(S)

Letters Explanation

K	Model code (K = anti-sulfur)
RA	Gas cutoff valve
J	Structure (J= indirect contact)
600CL	(150CL ~ 600 CL)
4	NPS4 (NPS1 ~ NPS8)
G (S)	G= over pressure cut off, S= pressure-failure cut off



> > Gas Cutoff Valve RAJ-1.6 ~ 10.0 Series



National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5



Nominal Pressure : PN1.6 ~ 10.0MPa (ANSI150Class ~ 600Class)

Nominal Diameter : DN25 ~ DN200 mm (NPS1" ~ 8")

Cutting Pressure : 0.1MPa ~ 0.5MPa ; 0.4MPa ~ 0.8MPa ; 0.7MPa ~ 1.3MPa ;

1.2MPa ~ 1.7MPa ; 1.6MPa ~ 2.6MPa ; 2.5MPa ~ 4.0MPa ; 4.0MPa ~ 6.3MPa.

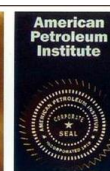
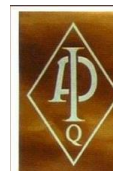
(Diaphragm- Structure Controller is up to $P_q < 0.4\text{MPa}$)

Cutting Allowance btw $\pm 1\% \sim \pm 3\%$

Operating Temperature: $-29\text{ }^{\circ}\text{C} \sim +130\text{ }^{\circ}\text{C}$

Part	Material
Body / Bonnet	cast steel: ASTM A216 WCB、WCC; ASTM A352 LCB、LCC stainless steel: CF8、CF、CF3、CF、304、304L、316、316L
Spool& Seat	Stainless steel and hard alloy
Stem	Stainless steel
Spring	Spring steel/stainless steel
Rubber diaphragm cushion	Nitrile rubber / Fluorine rubber
Sealing parts	Stainless steel
Regulating valve	Nitrile rubber / Fluorine rubber
	Stainless steel

> > Instrument Valve Series High-sealing property



National Patents : ZL92214460.5 , ZL98229671.1



Product Range

K) CYYBFI-
FL-FL

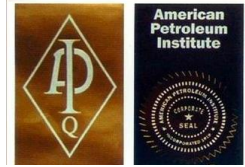
Letters Explanation Example

K	Model Code (K = anti-sulfur)
CY	Changyi Company
YBF	Structure = Instrument Valve
I	I= Single Valve ; 2=Double Valve
FL (Inlet)	FL=Flange ; SW=Weld ;NF= Female thread; NW=Male Thread
FL(Outlet)	FL=Flange ; SW=Weld ;NF= Female thread; NW=Male Thread

Part	Specification
Pressure Classes	1.6-70.0MPa; 150CLASS-2500CLASS, 10000PSI
Diameter	DN15,DN20; 1/2" , 3/4" ;
Work Temperature	-20℃~-200℃; H range ≤400℃; L range -20℃~-200℃
Medium	Natural Gas and oil without any Corrosion
Seal of Valve Clack	Dual Material Seal ; Conical Seal ; 45,ASTMA A105,ASTMA A350LF2, ASTMA 182 304/316/ 316L.Hastelloy

Part	Material
Body / Bonnet	Cast Steel: ASTM A216 WCB、WCC; ASTM A352 LCB、LCC Stainless Steel: CF8、CF、CF3、CF 、304、 304L、316、316L
Spool& Seat	Stainless Steel and Hard Alloy
Stem	Stainless Steel
Spring	Spring steel/stainless Steel
Rubber diaphragm	Nitrile rubber / Fluorine Rubber
Cushion	Stainless steel
Sealing Parts	Nitrile Rubber / Fluorine Rubber
Regulating Valve	Stainless steel

> > Instrument Valve Series High-sealing property

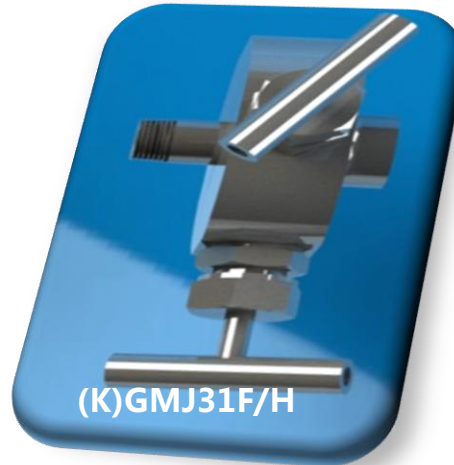


National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

Product Range And Features



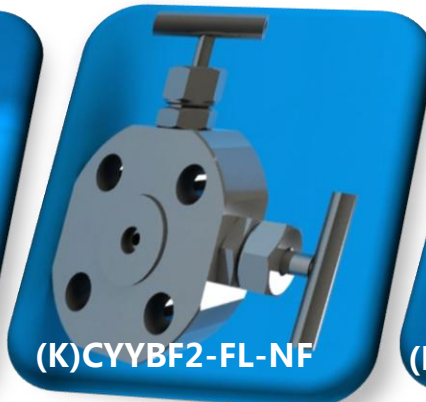
(K)CYYBF2-NW-NF



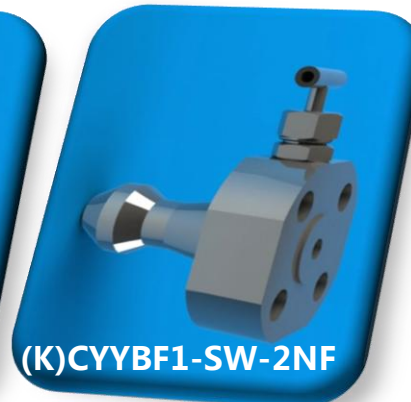
(K)GMJ31F/H



(K)CYYJ1-FL-FL

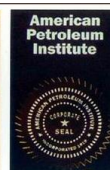
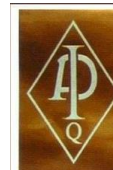


(K)CYYBF2-FL-NF



(K)CYYBF1-SW-2NF

- More than 20- year sales
- 12000 service times under static pressure compared with 6000 service times of similar domestic product .
- All instrument valves are CNC machined .
- After innovation in year 2005, the padding of o ring instead of PTFE makes valves operated in a quick and easy way .
- the application pressure increases from 32MP to 70MPa.



> > Multi-Selector Valve DTF Series

National Patents: ZL200720079522.0

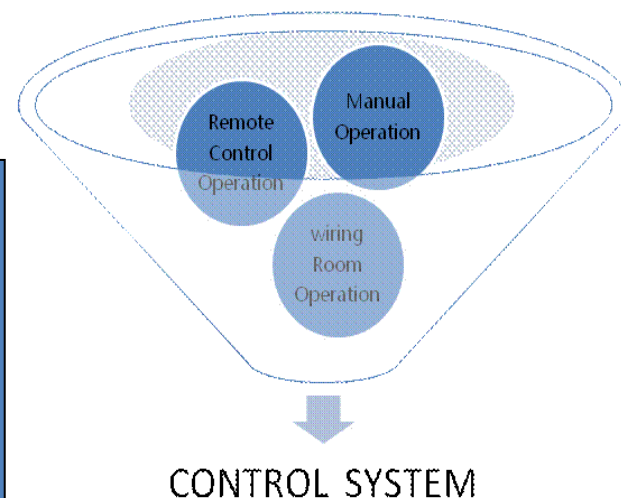
Features



- MSV is applied for selecting wellhead in Oil & Gas Metering Station of Both Oilfield and Single Well, or in Process of Gathering Transportation.
- MSV is a Electric Remote Control System with Digital Screen and easy- to-use function.
- It's featured with PLC signal receiving system at high precision .

DTF	Stands for electric multiport valve		
	—12	12 entry ports (A1 ~ A12, A1 is the blind hole)	
	—08	8 entry ports(A1 ~ A8, A1 is the blind hole)	
	—06	6 entry ports(A1 ~ A6, A1 is the blind hole)	
		—1.6	Valve pressure level is 1.6MPa
		—2.5	Valve pressure level is 2.5MPa
		—X	Applicable medium is light oil
		—C	Applicable medium is heavy oil

Mode Detail



> > Multi-Selector Valve DTF Series



National Patents : ZL01247740.0 , ZL99231202.7 , ZL92223823.5

Product Range

Item	Technical Parameters	Notes
Designed pressure	1.6 MPa or 2.5 MPa	
Max. working pressure	2.5 MPa	
Designed temperature	220°C	
Operating Temperature	-10°C ~ +200°C	
Applicable medium	Light oil or heavy oil	
Valve Body Material	ASTM A216 WCB	
The number of the oil inlet	12 or 8 or 6	Customized type
Oil inlet diameter	DN50	with welded Square flange
Metering outlet diameter	DN50 (HG20592)	one
Assembly outlet diameter	DN150 (HG20592)	one
Operating Voltage	380AC 50HZ three-phase four-wire	
Motor Kilo waltz	375W	
Anti-blast class	dII BT4	
Max. output Nm	1200 Nm	
Positioning accuracy	≤ ±1.5°	
Travel time /turning	≤ 90S	
Surroundings °C	-40 °C ~ +70 °C ;	
Positioning signal	4-bit binary code (8.4.2.1 code)	24VDC/5wires/ground link
Position feedback signal	The same as above	4 pairs of dry contacts / 5 wires
Electrical Interface	2xG1" (F)	2 Electrical Interfaces

