

Your Solution
Partner In
Industrial Valve Automation...



2/2 WAY GLOBE TYPE ON/OFF Control Valve

**MODEL :
GKS & GKF**



Mfg. & Mkt by
aira Euroautomation pvt. ltd.

INDIA

www.airaindia.com



About Us

*Clients are
why we exist!*

We welcome and thank you for referring out detailed catalogue.

aira is known all over continents as a manufacturer of quality products - Ball Valves, Butterfly Valves, Plug Valves, & Control On / Off Valves with Pneumatic Actuators for Pharma, Oil & Gas, Steel, Paper, Water, Chemical and all type of processing industries.

aira has walked through more than 3 decades, gaining valuable experience, offering equipment's in the products manufactured by OEMs in all spheres of engineering. **aira** products have gained reputations of consultants, and approvals of users, OEMs and other as a quality product.

aira has expanding business into foreign markets specially GCC, UAE, Asian & African countries. This is because increase its customer base and revenue, leading to overall growth and success. Now foreign users come to know and believe in the services provided by the **aira**. Along with the same, it also helps to reach a large number of users thereby leading to the increase their business.

Being and ISO 9001 BVQI certified company has put **aira** in fore front. Our motto is "Value the customer" and "Superior product", one among the best in the world.

Our Quality

- In- House full scale testing facility.
- Lean manufacturing practices
- Certified by : ISO 9001 : 2015 (BVQI LONDON), CE, ATEX, CIMFR, BIS, PESO, SIL 3, IBR
- API 609, API 6D

Our Commitment

- To understand customer's need first before proposing our products.
- To keep on providing competitive rate's by adapting to continuous process improvement, without compromising on quality.
- To provide continuous support to our customers and go beyond their expectations in terms of delivery and after sale services.

Our Manufacturing Facility

- In house R & D, manufacturing and testing facility is all located in a spread over three campuses at Ahmedabad, Gujarat, INDIA.

Network - Sales Office

- 60 Plus Branch Offices in different states in India.
- Sales office in the Bangladesh, Dubai, Kenya, Malaysia, Nepal, Qatar, Singapore, South Africa, Sri Lanka, Turkey, USA (Expanding).

QMS (Quality Management System)

ISO 9001 : 2015

EMS (Environment Management System)

ISO 14001 : 2015

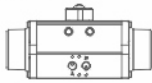
OHSAS (Occupational Health & Safety Management System)

ISO 45001 : 2018

IBR
PISTON VALVE
GLOBE CONTROL VALVE (CKD/CND)
DISC CHECK VALVE (DCV)
PRESSURE REDUCING VALVE (PRV)
POP TYPE SAFETY VALVE
BALL VALVE

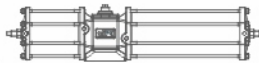
Pneumatic Actuator

CE /
ATEX /
EXIDA SIL-3 /
PROOF OF DESIGN



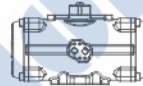
Scotch & Yoke Actuator

CE / ATEX / SIL-3



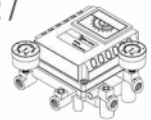
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

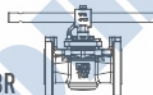
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



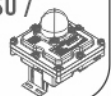
Flameproof Solenoid Valve

IEP ATEX / CE / CIMFR
/ IP65/ IP67 / IP68 /
BIS / PESO



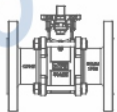
Limit Switch

IEP ATEX / CE / CIMFR
/ IP67 / BIS / PESO /
EQDC IP68



Ball Valve (Floating & Trunnion)

FIRE SAFE TEST DESIGN /
FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / API 6D / API 607 /
EXIDA SIL-3



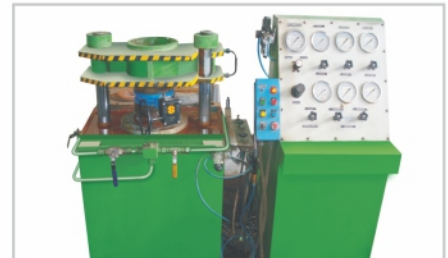
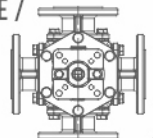
Butterfly Valve (centric / Double & Triple Eccentric)

FIRE SAFE TEST DESIGN /
FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / API 609 / EXIDA SIL-3
/ IBR / PROOF OF DESIGN /
FOOD GRADE / BIS / ISI



Multiport Ball Valve

FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / EIL



2/2 Way Globe Type On / Off Control Valve



"aira" Offers 2/2-way Globe Control Valve, Pneumatically Operated, N/C & N/O universal actuators with modular universal accessory program up to control heads. They have a stainless steel body and are available with the choice of flange-, threaded- and weld-end port connections. Specifically engineered for reliable control in applications where accuracy is paramount, Fine chemical pressure and flow control High accuracy test bench equipment, Food, beverage and pharmaceutical CIPSIP and auxiliary processes with steam Pharmaceutical Sterilizers, Precision distillation apparatus, Sterile Packaging Machinery.

Size Range : 1/2" to 2" Screwed & 1/2" to 4" Flanged

Actuator Specification	
Port Connection	1/4" BSP (NPT On Request)
Operating Pressure	4.5 to 7 BAR 1/2" to 2" / 5 to 7 BAR 2.1/2" to 4"
Operating Cycles	350 to 650 Cycles / Hr.
Media	Dry Lubricated Air / Inner Gases (Hydint Moisture Separator are advised to use in line)

Valve Specification	
Body Test Press.	10 Bar Maximum (12 Kg One Size Higher Actuator 16 Kg Two Size Higher Actuator)
Working Pressure	Upto 10 Bar
Working Temperature	PTFE 180 °C / CFT 220 °C
Leakage	As per ANSI B16, 16.104 Leakage Class VI Shut Off Tight / Bubble Tight
Media	Air / Water / Oil / Gas / Steam & Chemical

GKS / GKF Model Types	
Normally Close	Energised To Open
Normally Open	Energised To Close
Double Acting	

Model : GKS

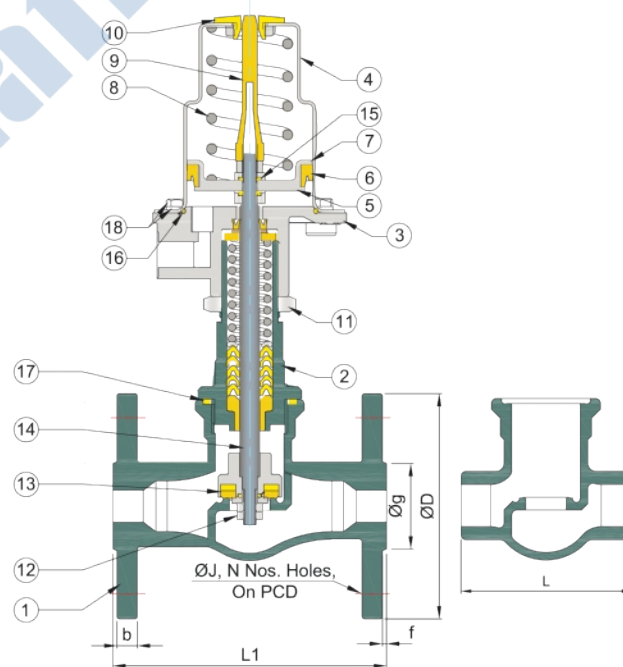


Model : GKF

Accessories

- On / Off Type Limit Switch
- Combination (Filter + Regulator)
- Moisture Separator
- Quick Exhaust Valve

Sr. No.	Description	Material
1	Body	CF8 / CF8M / CF3M
2	Bonnet	CF8 / CF8M / CF3M
3	Flange	Alluminum Alloy / CF8 / CF8M
4	Cap	S. S. 304
5	Piston Flat Washer	M. S.
6	Piston V-Seal	High Nitrile
7	Piston Cap Washer	M. S.
8	Piston Spring (R.H.)	Spring Steel
9	Piston Indicator	Nylon
10	Piston Indicator Guide & Nut	Nylon
11	Lock Nut For Flange	M. S.
12	Lock Nut (Plug)	S. S. 304
13	Plug Washer	PTFE / GFT
14	Plug + Shaft	S. S. 304
15	O - Ring (6X1.5)	High Nitrile
16	O - Ring For Flange	High Nitrile
17	Teflon For Body	PTFE
18	Piston Cap Hex Bolt & Spring Washer	S. S. 304



* L - Screwed

* L1 - Flanged

Dimensions :

Valve Model	Size		GKS S/E L	GKF F/E L1	Port	ØD	Øg	b	f	ØJ	N	PCD	Weight Approx.	
	Inch	MM											GKS	GKF
GKS / GKF - 15	1/2"	15	65	107.9	12.5	90	37.9	8	2	15.9	4	60.3	1.000	1.780
GKS / GKF - 20	3/4"	20	75	117.3	20	100	42.9	8.9	2	15.9	4	69.9	1.160	2.080
GKS / GKF - 25	1"	25	85	127	24	110	50.8	9.6	2	15.9	4	79.4	1.920	2.980
GKS / GKF - 32	1.1/4"	32	110	139.7	30	115	63.5	11.2	2	15.9	4	88.9	2.280	3.800
GKS / GKF - 40	1.1/2"	40	114	165.1	37	125	73	12.7	2	15.9	4	98.4	2.800	5.040
GKS / GKF - 50	2"	50	125	177.8	49	150	92.1	14.3	2	19.05	4	120.7	3.280	6.980
GKS / GKF - 65	2.1/2"	65	----	190.5	64	180	104.8	15.9	2	19.05	4	139.7	----	9.960
GKS / GKF - 80	3"	80	----	203.2	75	190	127	17.5	2	19.05	4	152.4	----	16.870
GKS / GKF - 100	4"	100	----	228.6	98	230	157.2	22.3	2	19.05	8	190.5	----	23.840

[All Dimensions are in mm]



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Note : Since, constant worldwide advancement in technology, We keep our rights reserved to make changes time to time in Technical specifications and Dimensions without prior notice.

Pneumatic - Pneumatic & Electro Pneumatic ROTARY Valve Positioner



Electro - Pneumatic

Model
AEP-1000-R

Input Signal : 4 ~ 20 mA DC
Supply Air Pressure : 20 ~ 100 psi Max.
(7.0 Kg/cm²)
Standard Stroke : 10 ~ 80 mm
Air Pipe Connection : 1/4" NPT
Ambient Temperature : -20 °C to 70 °C
Degree of Protection : IP 65
Out-put Characteristics : Rotary
Conduit Connection : 1/2" NPT
Body Material : Aluminium Die Cast



Pneumatic - Pneumatic

Model
APP-1200-RDN



Pneumatic - Pneumatic & Electro Pneumatic LINEAR Valve Positioner



Electro - Pneumatic

Model
AEP-1000-LSN

Input Signal : 3 ~ 15 (0.2 ~ 1.0 Kg/cm²)
Supply Air Pressure : 100 psi Max.
(7.0 Kg/cm²)
Standard Stroke : 10 ~ 80 mm
Air Pipe Connection : 1/4" NPT
Ambient Temperature : -20 °C to 70 °C
Degree of Protection : IP 65
Out-put Characteristics : Linear
Conduit Connection : 1/2" NPT
Body Material : Aluminium Die Cast



Pneumatic - Pneumatic

Model
APP-1200-LSN



SMART Positioner LINEAR



Model

Body

Set Point Signal

Ambient Temperature

Supply Pressure

Flow



: IP 6000 Series

: Aluminium

: 4 - 20mA DC

: Normal Version : -20 °C ~ 70 °C

: Optional Version : -40 °C ~ 70 °C

: 0.14 - 0.7 MPa

: 55L/min (Sup=0.14MPa)

Weatherproof MICRO Limit Switch Box



Model

Switch

Type

Enclosure

Protection

Ambient

Temperature

Conduit Entry

Terminal

Mounting Bracket

Material

: MMLS-BX-WP-01-A

: MMLS-BX-WP-01-B

: MMLS-BX-WP-01-C

: Honeywell ZM / NJ2-V3-N /

NBB-V3-Z4

: 1 NO + 1 NC / 2 Switch

: IP 67

: -20 °C to 80 °C

: 1/2" - NPT

: 8 Point

: Namur VDI / VDE3845 / ISO 5211

: Aluminium Die Cast

Flameproof Limit Switch Box



Model

Switch

Type

Enclosure Protection

Ambient Temp.

Conduit Entry

Terminal

Mounting Bracket

Material

: MLS-BX-FLP-01-A

: MLS-BX-FLP-01-B

: MLS-BX-FLP-01-C

: MLS-BX-FLP-01-D

: Honeywell V15 / Honeywell

V 15 PCB Type / NCB2-V3-NO /

NJ2-V3-N / NBB-V3-Z4 / NBB3-V3-Z4

: 1 NO + 1 NC / 2 NO + 2 NC / 2 Switch

: IP 68

: -20 °C to 80 °C

: 1/2" - NPT

: 8 Point

: Namur VDI / VDE3845 / ISO 5211

: Aluminium Die Cast



Flameproof Limit Switch Box STAINLESS STEEL 304 / 316



Model

Switch

Type

Enclosure Protection

Ambient Temp.

Conduit Entry

Terminal

Mounting Bracket

Material

: LS4-BX-FLP-01-A / LS6-BX-FLP-01-A

: LS4-BX-FLP-01-B / LS6-BX-FLP-01-B

: LS4-BX-FLP-01-C / LS6-BX-FLP-01-C

: LS4-BX-FLP-01-D / LS6-BX-FLP-01-D

: Honeywell V15 / Honeywell

V 15 PCB Type / NCB2-V3-NO /

NJ2-V3-N / NBB-V3-Z4 / NBB3-V3-Z4

: 1 NO + 1 NC / 2 NO + 2 NC / 2 Switch

: IP 67

: -20 °C to 80 °C

: 1/2" - NPT

: 8 Point

: Namur VDI / VDE3845 / ISO 5211

: ASTM A351 Gr. CF8 / CF8M / CF3M



Weatherproof Limit Switch Box (Big Box)



Model

Switch

Type

Enclosure

Protection

Ambient Temperature

Conduit Entry

Terminal

Mounting Bracket

Material

: MLS-BX-01-A / MLS-BX-01-B

: MLS-BX-01-C / MLS-BX-01-D

: Honeywell V 15 / NJ2-V3-N /

NBB-V3-Z4 / NCB2-V3-NO

: 1 NO + 1 NC / 2 NO + 2 NC /

2 Switch

: IP 67

: -20 °C to 80 °C

: 1/2" - NPT

: 8 Point

: Namur VDI / VDE3845 /

ISO 5211

: Aluminium Die Cast



Weatherproof Limit Switch Box STAINLESS STEEL 304 / 316



Model

Switch

Type

Enclosure

Protection

Ambient Temperature

Conduit Entry

Terminal

Mounting Bracket

Material

: MLS4-BX-01-A / MLS4-BX-01-B

: MLS4-BX-01-C / MLS4-BX-01-D

: Honeywell V 15 / NJ2-V3-N /

NBB-V3-Z4 / NCB2-V3-NO

: 1 NO + 1 NC / 2 NO + 2 NC /

2 Switch

: IP 67

: -20 °C to 80 °C

: 1/2" - NPT

: 8 Point

: Namur VDI / VDE3845 /

ISO 5211

: ASTM A351 Gr. CF8 / CF8M / CF3M



3/2 Way Namur Direct Acting Solenoid Valve



Model	: NAM-SA-32
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: Aluminium
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 0 to 10 Kg/cm ²

5/2 Way Convertible Poppet Type SINGLE & DOUBLE Namur Solenoid Valve



Model	: OTX-ALU-52 / 20TX-ALU-52
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: Aluminium
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 2.5 to 10 Kg/cm ²

3/2 Way Internal Pilot Operated STAINLESS STEEL 316 Single Namur Solenoid Valve



Model	: MPT-S6-32
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F" & "H"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: ASTM A351 Gr. CF8M
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 2.5 to 10 Kg/cm ²

5/2 Way Poppet Type STAINLESS STEEL 316 Single Namur Solenoid Valve



Model	: OTX-S6-52
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F" & "H"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: ASTM A351 Gr. CF8M
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 2.5 to 10 Kg/cm ²

3/2 Way Midget Type Direct Acting Solenoid Valve



Model	: DMV
Size	: 1/4"
Body	: CF8 / CF8M / Brass / S.S 304
Orific	: 2
Pressure	: 7 Kg / cm ²
Temp.	: Upto -5 to 80 °C max.
Coil Rating	: Continuous Rated
Coil Insulation	: "F" Class & "H" Class For Flameproof
Media	: Air & Gas
Voltage	: 12V, 24V, 48V, 110V, 230V, AC/DC

3/2 Way Midget Type Direct Acting Solenoid Valve



Model	: MDV
Size	: 1/4"
Body	: CF8 / CF8M / Brass / S.S 304
Orific	: 2
Pressure	: 7 Kg / cm ²
Temp.	: Upto -5 to 80 °C max.
Coil Rating	: Continuous Rated
Coil Insulation	: "F" Class & "H" Class For Flameproof
Media	: Air & Gas
Voltage	: 12V, 24V, 48V, 110V, 230V, AC/DC

Filter + Regulator Air Combination



Model	: 4FQ / 8 FQ / FRJ / AFRS4
Air Connection	: 1/4"
Max. Supply Pressure	: 4FQ : 0.5 to 4 Kg / cm ² 8FQ : 0.5 to 8 Kg / cm ² FRJ : 1 to 9 Kg / cm ²
Gauge Connection	: 1/8"
Ambient Temp.	: -20 °C ~ 70 °C
Mini Filtering Size	: 5 Micron
Material	: Aluminium Pressure Die Cast / CF8 / CF8M

(4FQ / 8FQ) (FRJ) (AFRS4)

Air Volume Booster



Model	: VLB
Size	: 1/4" to 1"
MOC	: Aluminium
Seals	: NBR
Supply Pressure	: 10 Bar
Output Pressure	: 7 Bar
Temperature	: -20 °C ~ 70 °C

Single & Double Air Lock Valve



Model Single	: SALV
Model Double	: DALV
Size	: 1/4" to 3/4"
MOC	: Aluminium
Seals	: NBR
Supply Pressure	: 10 Bar
Output Pressure	: 7 Bar
Temperature	: -20 °C ~ 70 °C

Manual Override Clutch Type (MO)



Model	: AMO
Torque	: 200 Nm to 10000 Nm
Body	: Aluminium Pressure Die Cast / S. G. Iron
Lever Wheel	: Stainless Steel
Hand Wheel	: S.S. / M.S. (Fabricated)

Installations

- Indian Oil
- Reliance Industries Limited
- ONGC
- Hindalco
- Godrej
- Indian Railway
- Vedanta
- Voltas
- NTPC
- Gujarat State Fertilizers & Chemical Ltd.
- L & T
- Gail
- Hindustan Petroleum
- BHEL
- IFFCO
- BARC
- Thermax
- Essar

Application

- Process & Chemical
- Refineries & Petrochemicals
- Drugs & Pharmaceuticals
- Thermal Power Stations
- Dyes & Intermediates
- Breweries & Distilleries
- Steel Plants
- Onshore & Offshore Platforms
- Steel Plants
- Solvent Extraction Plants
- Sewage
- Cooling Water
- Ship Yards & Marine Management
- LPG Bottling Plants
- Water Works
- Pulp & Paper
- Fertilizers
- Textiles
- Sugar
- Nuclear & Atomic Power Stations
- Paints & Varnishes
- Soaps & Detergents
- Slurry & Ash handling
- Food & Oil Industry
- Effluent & Water Treatment

This Product is Generally made to use on the High Pressure Piping System, It is Widely Applied for Major Industrial Sectors



Ship Yards & Marine Management
Thermal Power Station
Dyes & Intermediates

Marine Tankers- Ship Building

Military Application

Foundary

Process & Chemical

Pulp & Paper Plants

Off Shore Plants

Water Treatment – Purification

Food Plants

Tobacco Industries

Steel & metal Plants

Chemical and Dyeing Fluids in Textile Processing

Solvent Extraction Plants

Nuclear & Atomic Power Stations



*time tested designs with
superior performance*

GLOBAL

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industrial valve automation

Network

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GWALIOR	TARAPUR
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ICHALKARANJ (MAHARASHTRA)	VAPI
JAIPUR	VASAI
JODHPUR	VATVA
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KAKINADA (ANDHRA PRADESH)	WAGHODIYA (BARODA)

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COCHIN	NOIDA
COIMBATORE	PANIPAT
DELHI	PEENYA
ERODE	PUNE
FARIDABAD	TRIPUR
GHAZIABAD	VARANASI
GOA	VISAKHAPATNAM
INDORE	WADI
JALANDHAR	KANPUR
JAMSHEDPUR	KOLHAPUR
JHARKHAND	

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IBR

CE



ISO 9001 : 2015
BUREAU VERITAS
Certification



Mfg. & Mkt by
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INDIA

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