

FLUID CONTROL VALVES

MANUFACTURING RANGE



SOLENOID VALVES



BALL VALVES



CONTROL VALVES



BUTTERFLY VALVES



VALVES



GAS PRESSURE REGULATOR



BLOCK VALVES

Pioneer Spirit in Value Automation

We Welcome and thank you for referring our 'Abridge Catalogue'

"AVCON" is known all over continents, as a manufacturer of 'Quality' products-Solenoid Valves, Ball and Butterfly Valves with Pneumatic and Electric Actuators; Gas Control and Regulation Products. also valves for Pharma & Bio-Tech Industry.

AVCON has walked through several years, gaining valuable experience, offering AVCON equipments in the products manufactured by the OEMs, in all spheres of engineering. AVCON products have gained reputation with Consultants and approvals of Users, OEMs, and others, as Quality products.

Being ISO 9001 DNV certified company, has put AVCON on forefront. Our motto is 'Value for The Money' and 'Superior Product, One Among The Best in The World'.

We are very sure that, there is a product in vast range of AVCON, which will meet your expectation and requirements.

AVCON Product Range Includes:

- Solenoid Valves (Many Non Standard Version available).
- Motorised Controls Valves.
- Pneumatic Control Valves.
- · Manual & Pneumatic, Electric Actuated Valves. for Pharma, Bio-Tech & Food Industry.
- Piston Operated Globe Valves.
- Piston Operated Special Valves for Tyre and Tube Machinery Manufacturers.
- Ball Valves with Electric Actuators and Pneumatic
- Butterfly Valves with Electric Actuators and Pneumatic Actuators.
- Low Leakage Type Damper with Pneumatic and Electric Actuators.
- High performance Butterfly Valves with Pneumatic and Electric Actuators
- Gas Regulation and Control Equipments like Ball Valves, Filters, Safety Shut Off Valves, Regulators, Safety Relief Valves, Ratio Regulators, Orifice Plate Assemblies, Pressure Gauges, Pressure Switches, Gas Trains with Gas Flow Meters.

AVCON also offer:

• BADGER - Research Control Pneumatic & Motorised Miniature Valves.



avcom is highly motivated team of Technical, Managerial Professionals with strong commitments to excellence in presentation of Automated Valves, which includes: SOLENOID - MOTORISED -PNEUMATICALLY OPERATED VALVES, used in diversed field where automation is needed.

avcon Motto is

"Quality + Technology + Performance." This ensures "The worth of money you spend in buying Automated Valves." Pioneer spirit at AVCON to design & develop Industrial duty Automated Valves, resulted in presenting most comprehensive complete range of Automated Valves. Recognised everywhere and yet economically priced.







MD











PESO

















Office & Works Unit -III









AVCON CONTROLS PVT. LTD.

MUMBAI- Plot No. 65, Road No. 13, MIDC Marol Area, Andheri (E), Mumbai - 400 093. Tel. No.: 91(22)-69156100 / 28221505. E-mail : avcon@avconcontrols.com,

Website: www.avconcontrols.com

Offices at :Contact No.

Pune: 020-2712 0776/2712 0540 Chennai: 089393 12809/044-4028 2503 Kolkata:098319 04444/033-2230 2471 Vadodara:09810015079 New Delhi :(011)-2646 0811/4605 4344 Hyderabad :079950 86416 Bengaluru: 084312 56574

SERIES	BV 2290 /2270	FG	RG	SG/SGN	SHV	SRV
ТҮРЕ	2 -Way Isolation Ball Valve for Gas.	Gas Filters.	Regulator for Gaseous Media.	2/2 Way Direct Acting, Solenoid Valves, Normally Closed / Normally Open for Gas & Air Application.	Safety Shut - Off Valve.	Safety Relief Valve for Gas Application.
PRODUCTS					C SH C	
BODIES	Available in Cast Steel. End connections Screwed BSP(F) /NPT (F) ,Flanged to ASME B 16.5Class 150 RF,DIN PN 16.	Available in Aluminium casted. End connections ASME B.16.5 Class 150RF, PN 16 / BSP(F) /NPT.	Available in Aluminium casted. End connections ASME B.16.5 Class 150RF, PN 16 / BSP(F) /NPT Designs available to suit 1bar, 4 bar, 200 mbar inlet pressure.	Available in Aluminium casted. End connections ANSI B16.5 Class 150RF, PN 16, BSP(F)NPT.	Available in Aluminium casted. End connections BSP ASA 150RF or Flanged to PN 16.	Available in Aluminium die casted. End connections BSP(F) /NPT.
SIZES	15mm (½") to 150mm (6")	15mm (½ ") to 150mm (6")	15mm (½ *) to 150mm (6*)	15mm (½ ") to 100mm (4")	25mm (1") to 150mm (6")	25mm (1*)
TEMPERATURE	Upto 80 °C	-20°C to 80 °C	-20°C to 60 °C	-20°C to 60 °C	-15°C to 60 °C	-20°C to 60 °C
FLUIDS	Air/Natural Gas/LPG/Bio-gas/ Town Gas/Propan	Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan	Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan	Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan Also available as Slow Opening Fast Closing Valve, Pressure Switch.	Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan	Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan
CEDIEC	GGIGGRIGGO	SCB	D2664 D2674	LIMAY	PC 100 / 200	PRV
SERIES TYPE PRODUCTS	GG/GGB/GGO Ratio Control Valves for Gas Application.	SGR Safety Shut - Off Solenoid Valve, Manually Operated, Electrically Trip.	R266A-R267A 2/2 Way - NC & NO, Direct Operated With Or Without Bypass With MS0 Coil. Also Available With RD-WP67, RD-FLP-IIC + IP67 Metallic Enclosure.	HMV Hydro Motor Valve.	RG 100 / 200 High Pressure Regulators for Air & Gas.	BBV Block & Bleed Valve For Safety of Pressure Gauges.
ТҮРЕ	Ratio Control Valves for	Safety Shut - Off Solenoid Valve,	2/2 Way - NC & NO, Direct Operated With Or Without Bypass With M50 Coil. Also Available With RD-WP67,			Block & Bleed Valve For Safety
PRODUCTS	Ratio Control Valves for Gas Application. Available in Aluminium casted. End connections BSP(F) /NPT.	Safety Shut - Off Solenoid Valve, Manually Operated, Electrically Trip. Available in Aluminium casted. End connections Screwed BSP/NPT (F), & Flanged PN 16/	2/2 Way - NC & NO, Direct Operated With Or Without Bypass With M50 Coil. Also Available With RD-WP67, RD-FLP-IIC + IP67 Metallic Enclosure.	Hydro Motor Valve. Available in Aluminium or Cast Iron/ GGG40.	Available in Cast Steel. End connections Screwed	Block & Bleed Valve For Safety of Pressure Gauges. Available in CF8 End connections ½ "BSP (F) /
PRODUCTS BODIES	Available in Aluminium casted. End connections BSP(F) /NPT. Max. inlet Pressure 200 mbar.	Available in Aluminium casted. End connections Screwed BSP/NPT (F) . & Flanged PN 16/ ASA Class 150RF.	2/2 Way - NC & NO, Direct Operated With Or Without Bypass With M50 Coll. Also Available With RD-WPS7 RD-FLP-IIC + IP67 Metallic Enclosure. Available in Stainless Steel (CF8) BSP/NPT.	Available in Aluminium or Cast Iron/ GGG40. End connections PN 16/ASA 150RF.	Available in Cast Steel. End connections Screwed BSP(F) INPT (F).	Block & Bleed Valve For Safety of Pressure Gauges. Available in CF8 End connections ½ "BSP (F) / ½ " NPT (F).

GAS TRAIN

Gas Train for Continues Regulation of Gas Flow to Boilers / Furnaces for Inlet Gas Pressure 1 to 4 Bar, Outlet Pressure 5 to 350mbar.



Available in Screwed / Flanged end connections.
15 x 15, 25 x 25 or 25 x 40, 40 x 40 or 40 x 50, 50 x 50 or 50 x 65, 65 x 65 or 65 x 80, 80 x 80 or 80 x 100,100 x 100 or 100 x 150, 150 x 150 or 150 x 200, 200 x 200 or 200 x 250, 250 x 300.



2

SERIES	6612/13/14/15E - 6622/23/24/25/26E	6616E/6619E	6812M/6824M- 6844M/6822M	CO4CM/CO4OM	CAAOD/CAACD	FOADM/FOADM/FOADM/FOADM	Touk Bottom Values
TYPE	2/2-Way Angled Body Valve	3/2-Way Metal Body Mixing or	2/2-Way Angled Metal Body	6816M/6819M 3/2-Way Metal Body Mixing	6412B/6416B 2/2 and 2/3-Way Pneumatic	5812M/5822M/5816M/5819M 2/2-Way Straight Metal Body	2-Way Tank bottom Valve.
	with Metallic, Pneumatic Piston Actuator.	Diverting Valves with Metallic Pneumatic Piston Actuator.	Normally Closed or Normally Open Valve with Plastic & Metallic	or Diverting Valves with Plastic Pneumatic Piston	Piston Operated Normally Closed High Pressure Valves.	Valves Mixing & Diverting with Plastic Pneumatic Piston	2-way falls bottom valve.
	- Notation	Pileumatic Piston Actuator.	Pneumatic Piston Actuator.	Actuator.	Closed High Pressure valves.	Actuators.	
	de	e==		000	2.012		
	All in						
			A	0	4	COUNTY OF THE PARTY OF THE PART	
	A Section			O'	1	32	
	161 W.				J.	135	
PRODUCT		曲					2.0
PRODUCT							
	F23	che in					
		200					
							•
BODIES	Available in CF8 / CF8M End Connection BSP / NPT Optional	Available in CF8/CF8M. Trim in SS(304/316) Teflon seated	Available in CF8 / CF8M End Connection BSP / NPT Optional	Available in CF8/CF8M. Trim in SS304/316, Teflon	Available in CF8.Trim in SS410 Hardened, ground and plated	Available in GGG40,WCB, CF8/CF8M. Trim in SS 420/SS	Available in CF8/CF8M. Trim in SS304/316, Teflon
	Tri-Clamp, Butt welded, Flanged, Spigot end or socked weld.	for On -Off. Bubble tight shut off. End connections BSP(F)/NPT.	Tri-Clamp, Butt welded, Flanged, Spigot end or socked weld.	seated for On-Off Bubble Tight shut off. End connections	for On -Off application. Seats are Glass filled graphited Teflon.	316 for On-Off application. Seat Soft Seated. End ASME	seated for On-Off Application.
	opigot end of socked weld.	End dominations por (1)111 1.	Opigot end of socked weld.	BSP(F)/NPT.	End connection BSP(F)/NPT.	connections as per B16.5 Class	
						Class 150 or 300, DIN PN 16.	
SIZES	15mm (½") to 100mm (4")	15mm (½") to 50mm (2")	10mm (3/8") to 100mm (4")	15mm (½") to 50mm (2")	15mm (½") to 50mm (2")	15mm (½") to 150mm (6")	1/2 to 2
TEMPERATURE	-40°C to 180°C	-40°C to 180°C	0°C to 155°C	0°C to 155°C	0°C to 250°C	Upto 155°C	0°C to 155°C
FLUIDS	Air/Water/Gas/Steam/Oil	Air/Water/Gas/Steam/Oil	Air/Water/Gas/Oil	Air/Gas/Water/Oil/Steam	Air/Water/Steam/Hot Water	Air/Water/Gas/Steam/Oil	Water / Oil
ACCESSORIES	1,3B,3D,3E,5	1,3B,3D,3E,5	1,3B,3D,3E,5,10	1,3B,3D,3E,3F,5,10	1,3B	1,3B,3D,3E,3F,5	
OFFICE OF THE PROPERTY OF THE	000711/00075	007014	40001	000000	000T/		
SERIES TYPE	6227M/6227F	2270M Sanitary Type Manual Ball Valve.	4222M Sanitary Type Manual Butterfly	6827M/6827F/6827M 2-Way Diaphragm Seated	6827K 2-Way PVC Body Diaphragm	5612/5622/5616/5619G 2/2 way and 3/2 Pneumatic,	T-Block Valve T-Block Valves with D-Actuator
ITPE	2-Way Metal Body Diaphragm Seated Valves with Manual	For CIP Lines, Food & Beverage	Valve. For CIP Lines, Food &	Stainless Steel Metal Body	Seated Valves with Pneumatic	Straight Body Valve with	& Hand Operated for "On Line
	Operation.	Pharmaceuticals, Dairy.	Beverage Pharmaceuticals, Dairy.	Valves with Pneumatic Plastic Piston Actuator/ Metallic Linear	Plastic Piston Actuator.	Cylinder Actuator for on-off Valve Application	Sampling & Point of Use Application"
				Actuator.		Ш	→ △
					3617773		
	a die			The state of the s			C E 10
PRODUCT			W R		10:		ALL.
			(403)		1200		# 2
			0				
	3 7 15			30		2.2	
				•			-
BODIES	Available in CF3M End connection Tri-Clamp, Spigot, Weldable end	SS.304/316/316L as per ASTM A276A/182A, End Connection Tri -	SS.304/316/316L as per ASTM A276A/182A, End Connection Tri -	Available in CF3M end connection Tri-Clamp, Spigot, Weldable end	Available in PVC, PVDF, PP. End Connection Flanged /	Available in SG Iron IS-1865- /15A. Cast Steel ASTM A216	Available in 1.4435/316L Block Material as per EN 10088-3.
	to ASME BPE OD Based.	Clamp, Spigot, Weldable end to ASME BPE OD Based.	Clamp, Spigot, Weldable end to ASME BPE OD Based.	to ASME BPE - OD Based.	Spigot type.	Gr. WCB, St. St. ASTM A351 CF8 or CF8M for on-off	End Connection Spigot and Tri-Clamp (TC). As Per ASME
		ASIVIE BRE OD Baseu.	ASIVIE BRE OD Baseu.			Application, End Connection	BPE.
						As per ASME B 16.5 150 Class or 300 RF.	
SIZES	10mm (3/8") to 75mm (3")	1/2" to 4"	1" to 8"	10mm (1/4") to 75mm (3")	15mm (½") to 50mm (2")	15mm (1/2") to 80mm (3")	15mm (1/2") to 80mm (3")
TEMPERATURE	-10°C to 140°C	PTFE upto 180°C	(-)10° to 90°C & Silicon Upto 120°C.	-10°C to 140°C	0°C to 60°C	Upto 180°	-10°C to 140°C
FLUIDS	Food and Pharma	Air/Water/Steam/Slightly	Air/Gas/Liquid	Food and Pharma	Corrosive/Slurry/H.V. Fluid	Air/Water/Gas/Oil/Steam	Pharma and Biotech
ACCESSORIES				1,3B,3D,3E,3F,5,10	1,3B,3D,3E,3F,5,10	1, 3B	3B,3D,5,3E,10
CEDIEC	2250K045 OD D050K	22521/	2054K / D054K / D050D	DI I /DDI	Markanian Otanan	Linear Value Desitioner	00500/00500/00540/00500
SERIES TYPE	3350K015 OR R350K 3/2-Way Midget Type Direct	3353K 3-Way Plastic Benjo Type	3351K / R351K / R350B 3- Way Plastic Namur Solenoid	PLL/PPL Limit Switch/ Proximity Switch	Mechanical Stopper Mechanical Stopper / Stroke	Linear Valve Positioner Linear Valve Positioner Model -	9350B/9352B/9354B/9358B 3/2-Way Midget Type
	Acting Normally Closed	Solenoid Valves.	Valve for Spring Return K-Series	Box with Linear Movement.	Limiter.	1. EVP 1500 Weather Proof	Direct Acting Normally
	Solenoid Valve.		Plastic Linear Actuator.	(Weather proof Enclosure WP-65)		2. EVP 1600 Flame Proof 3. 1880.	Closed Solenoid Valve.
	eaveoute	Ф	E MAN AND AND AND AND AND AND AND AND AND A				· ATCHAR
		O. Company					
		# 5 mm 1 mm		23		1	
		in the second		18 - 10 21	The Roy		
PRODUCTS	avcon°		avcor	CALL ONLY		2	
	297/4C 255/40 (É	PM	(1	·		0.70	6 2 1
			00		4		
			9				
	3D	3E	3F	5	10		3B
SPECIFICATIONS	Available in PA6 (Standard Size 1/4") with BN/V seat.	Compact and Reliable Fast Acting Valve with Manual	Valves suitable for Pressure 0 to 6 bar.	Available for feedback arrangement with options of	Mechanical Stopper for linear plastic Pneumatic Actuator	Complete New J-Series	Available in Brass Forged/ Stainless Steel casted with
		Override as a Standard.	Temperature -10°C to 50°C	Micro Limit Switches/ Micro Proximity Switches. Supply	(NC/NO/DA). Available in SS (304/316) with Acrylic	Angle Valves with improved flow capacity & travel will be available	BN/V seat.
		Size -1/4"	Size -1/4"	Voltage 12, 24, 48VDC,	transparent protection shield.	from1/2" to 2" with non Namur	Size 1/4" BSP/NPT.
				24,110, 230VAC.	Stroke limiters for Manual Diaphragm Seated Valves /	Pneumatic Actuators, Valve Positioner or Position Indicators.	
					Block Valve available in		
					SS 304 / 316.	New	
						J-Series	
						Please remark Division	
						Please request for Datasheet.	
4							5
							•

2360F/2560F	2370F/2570F	2390F/ 2590F	2312R/F - 2512R/F	2330R/2530R	2330F/2530F	4322M(V)
2 -Way Direct Mount Ball Valve with	2/2-Way Three Piece Ball Valves with	2/2-Way Two piece Ball valves with	2/2-Way Tight Shut Off Ball Valve	3/2-Way Screwed Metal Ball	3/2-Way Flanged Metal Body	Sanitary Type Pneumatic Vertical
Pneumatic or Electric Actuator.	Pneumatic or Electric Actuator for On-Off Application.	Pneumatic or Electric Actuator for On-Off Application.	with Pneumatic or Electric Rotary Actuator. (High Pressure)	Valves with Pneumatic or Electric Actuator. ('L' & 'T' Port)	Ball Valves with Pneumatic or Electric Actuator. ('L' & 'T' Port)	Actuated Butterfly Valve.
The second secon						
Available in WCB, CF8/CF8M. End connections Screwed BSP(F)	Available in CF8/CF8M, WCB. Ball in SS 316/ Seats of Teflon /GFT. End connections BSP(F)/ NPT or ASME B.16.5 Class 150 RF / 300 RF.	Available in CF8/CF8M, WCB. Ball in SS 316/Seats of Teflon/GFT. End connections BSP(F)/ NPT or ASME B.16.5 Class 150 RF.	Available in WCB,CF8/CF8M. End connections Screwed BSP/NPT Pressure Max.110 Bar.	Available in CF8/CF8M, WCB. Ball in SS 316/Seats of Teflon/GFT End connection Screwed BSP(F).	Available in CF8/CF8M, WCB. Ball in SS 316/Seats of Teflon/GFT End connection as per ANSI. ASME B.16.5 150 or PN 16.	SS.304/316/316L as per ASTM A 276A/182A Pressure Max. 10 b
15mm (½") to 50mm (2")	15mm (½") to 100mm (4")	15mm (½") to 150mm (6")	15mm (1/3") to 50mm (2")	15 mm (½ ") to 65 mm (2½").	15 mm (½ ") to 65 mm (2½").	1" To 8"
1 1 1	. , . , ,	. , . , ,		` ' ` '	. , , ,	(-)10°C to 90°C & Silicon upto 120
			<u> </u>			
						Air / Gas /Liquid
1,2A,3A,3C,4A,4B,9C 4D,11	1,2A,3A,3C,4A,4B,9C 4D,11	1,2A,3A,3C,4A,4B,9C 4D,11	1,2A,3A,3C,4A,4B,9C 4D,11	1,2A,3A,3C,4A,4B,9C 4D,11	1,2A,3A,3C,4A,4B,9C 4D,11	
2333K/2533K/2372K/2572K	4322B/4522B	4326B/4526B	4324A/4524A-4327A/4527A-4328A/4528A	4524L	4322K/4522K	2370M(V) / 2390M(V)
2/2 Way /3-Way Three Piece Ball Valve with Pneumatic or Electric Actuator for On-Off Application.	2-Way Metal Body Wafer Type Butterfly Valves, Rubber Lined Design with Pneumatic or Electric Actuator.	2-Way Butterfly Valves with Pneumatic or Electric Actuator for On-Off or Control Application.	2-Way Damper Type Butterfly Valves with Pneumatic or Electric Actuator.	2-Way Butterfly Valve Type Low Leakage, Swing Through Design with Electric Actuator.	2-Way Tight Shut Off Plastic Body Butterfly Valve with Pneumatic or Electric Actuator.	Sanitary Type Pneumatic Vertica Actuated Ball Valve.
Available in PVC, PVDF, PP. End connections Screwed BSP, Spigot & Socket.	Available in CI/WCB/CF8. Disc in CF8/CF8M. Holding between the Flanges as per ASME B 16.5 class 150, Seating material EPDM/Viton/Nitrile/Silicon.	Available in WCB/CF8/CF8M. Disc in SS304/316 .Seats in Teflon . As Per ASME B.16.5 Class 150RF/300RF.	Available in CI/WCB/GGG40/CF8/ CF8M. Disc in CF8/CF8M. Seats in Holding between the Flanges as per ASME B 16.5 class 150 or 300 RF.	Available in Cast Iron. End connections BSP, Flanged to ASME B 16.5 Class 150RF.	Available in PVC/PP with EPDM Seals End Connections ASME B.16.5 Class 150 FF/PN16	SS.304/316/316L as per ASTM A 276A /182A. Pressure Max.10 b
15mm (½") to 50mm (2")	40mm (1-1/2") to 600mm (24")	50mm (2") to 300mm (12")	50mm (2") to 600mm (24")	40mm (1½") to 200mm (8")	80 mm (3") to 200mm (8")	1/2 " To 4"
1 1		. , , , ,				(-)10°C to 90°C & Silicon upto 120
•						Air/Water/Steam
1,2A,3A,3C,4A,4B,9C	1,2A,3A,3C,4A,4B,9C	1,2A,3A,3C,4A,4B,9C	1,2A,3A,3C,4A,4B,9C		1,2A,3A,3C,4A,4B,9C	
,	,	,				
PPR /EPR Rotary Valve Positioner.	9484E/9384E / 9485E / 9385E 2-Way/3-Way Namur base Solenoid valve with 1/4" Inlet & Outlet.	9360/9470 3/2 and 4/2-Way Pilot Operated, Poppet Type, Solenoid Valves.	Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Flame Proof & Weather proof Enclosure FLP-IIC, WP-66/67). for 90° Turn Actuators/ Valve. SB-300: (P2/P22/L2/L22/P4/P44/	Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Weather proof Enclosure WP-66/67). for 90° Turn Actuators/ Valve. SB-202: (L2/P2/L22/P22/P4/P44/	Manual Gear Operator.	MA 512 AN / BN/532/533 Digital Interface for Motorised Valve (Linear, Rotary).
2A	3A	30	44	4B	9C	We constant
Used on Pneumatic Actuator for positioning Ball Valve/ Butterfly Valve with respect to incoming pneumatic or electric signals 0.2 to1bar / 4 to 20mA. Pneumatic to Pneumatic & Analog to Pneumatic.	NAMUR SOLENOID VALVE Reliable fast acting valve for lockable resettable manual override as a standard. Valve type 3-way or 4-way is selectable by using the re-orientations of plastic disc on No.2 port. (refer to IM)	9360 Series is available in Normally Closed & Normally Open from 1/4" to 11/2" size. 9470 series is available in 4/2 position with Single & Double Solenoid Valves available in 1/4" to 1/2".	ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Flameproof and Weatherproof housing. Suitable for fine adjustment.	ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in	MANUAL GEAR OPERATOR 1. Adaptability to suit either manual or pneumatic operation by means	Interfacing unit suitable for receiving & Transmitting 4-20 mA/ 0 to 10 volts signal. Applicable for MA-512 AN, MA 532.
	Available in WCB, CF8/CF8M. End connections Screwed BSP(F). 15mm (½") to 50mm (2") Upto 150 °C Air/Water/Gas/Steam/ Oil 1,2A,3A,3C,4A,4B,9C 4D,11 2333K/2533K /2372K/2572K 2/2 Way /3-Way Three Piece Ball Valve with Pneumatic or Electric Actuator for On-Off Application. Available in PVC, PVDF, PP. End connections Screwed BSP, Spigot & Socket. 15mm (½") to 50mm (2") Upto 60 °C Air/Water/Coil/Corrosive /Non Corrosive 1,2A,3A,3C,4A,4B,9C 4D,11 PPR /EPR Rotary Valve Positioner.	Pneumatic or Electric Actuator. Pneumatic or Electric Actuator for On-Off Application. Available in WCB, CFR/CFBM. End connections Screwed BSP/F), Ball in SS 316/ Seats of Tetlon /GFT. End connections SSP(PN) Ball in SS 316/ Seats of Tetlon /GFT. End connections SSP(PN) Ball in SS 316/ Seats of Tetlon /GFT. End connections SSP(PN) Ball in SS 316/ Seats of Tetlon /GFT. End connections SSP(PN) Prior or ASME 8.16.5 Class 150 RF / 300 RF. 15mm (½*) to 50mm (2*) 15mm (½*) to 100mm (4*) 12a,3a,3c,4a,4a,9c 40,11 2333K/2533K/2372K/2572K 232 Way 7.3-Way Three Plece Ball Valve with Pneumatic or Electric Actuator for On-Off Application. 2333K/2533K/2372K/2572K 24Way Matal Body Wafer Type Buttle Pneumatic or Electric Actuator for On-Off Application. 2333K/2533K/2372K/2572K 24Way Matal Body Wafer Type Buttle Pneumatic or Electric Actuator for On-Off Application. 24Way Matal Body Wafer Type Buttle Pneumatic or Electric Actuator for On-Off Application. 256CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 257CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 257CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 257CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 257CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 267CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 267CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 278CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 287CFR/CFBM Holding between the Flanges as per ASME 91 65. Class 150, Seating material EPDM/Viton/Nirie/Silicon. 287CFR/CFBM Holding between the Flanges as per ASME 91	Presumatic or Electric Actuator for On-Off Application. Available in WCB, CFSCFSM, Edit of Salid Salid in CFSCFSM, WCB, Edit on Salid Salid Salid Salid Salid Salid in CFSCFSM, WCB, Edit on Salid	Procuration of Electric Actuator for On-Ort Application. Available in PVCE, CFSCTSM, December 1997. Available in PVCE, December 1997. Available in DVCE, December 1997.	Powerfacts or Electric Actuator for On Powerfacts or Placetic Actuator for On Powerfacts or Plac	Promitter of Planers Assistance Promitter of Conference (Conference Assistance for Oxford Oxford Assistance for Oxford Oxford Assistance for Oxford Ox

SERIES	ACT Range Actuator	M42 to M123	EA-21/50/70	QM/QR/QMT/QRT	KN 1.8	KN-05/07/10/25	K-XXX S/NC-S/NO-D	D-XXX S/NC-S/NO-D
ТҮРЕ	Pneumatic Rotary Actuators for 90° Turn Valves Direct Mount Type. with Female End Pinion.	Pneumatic Linear Actuators for Diaphragm Seated Valves. (M42/M52/M62/M82/M102/M122/	Electric Rotary Actuators (WP-67) for Single Phase.	Electric Rotary Actuators (WP-67) & Exd-FLP-IIC. for Single Phase & Three Phase.	Electric Actuators Type KN-1.8.	Linear Electric Actuators for Control Valves.	Plastic Linear Actuator.	Plastic Linear Actuator.
PRODUCTS	WINT ON INC.	M123).	Figure 5					
BODIES	Extruded Aluminium, Hard anodized / Powder coated. ISO 5211, VDI / VDE - 3845.	Available in SS Investment Casted (CF8/CF8M).	Extruded Aluminium, Hard anodized / Powder coated. ISO 5211	Available in Aluminium Pressure Die Casted, Engineering Plastic. ISO 5211	Available in Aluminium Pressure. Die Casted.	Aluminium or Engineering Plastic.	Available in Engineering Plastic.	Available in Engineering Plastic.
END COVER	Aluminium Pressure Die Casted.	Available in SS Investment Casted (CF8/CF8M).	Aluminium Pressure Die Casted, Engineering Plastic.	Aluminium castings.	Aluminium Pressure Die Casted.	Aluminium /Engineering Plastic.	Engineering Plastic.	Engineering Plastic.
ANGLE OF ROTATION	90°± 4°	Linear	90°±/1.5°	90°(± 1.5°)	90°	Linear max. 50mm	Linear max. 25mm	Linear max. 25mm
OPERATING PRESSURE / ELECTRIC SUPPLY	4.5 to 8.5 bar	0 to 6 bar	110/230 AC 50 Hz, 24 V DC.	110/230 AC 50 Hz, 24 V DC, 3 Phase 380/440 V AC 50 HZ	230V AC 50 Hz 110V/24V AC 50 Hz	230V AC 50 Hz 110V/24V AC 50 Hz	_	_
MAX. OPERATING TEMP.	-10°C to 60°C	-10°C to 60°C	50°C	50°C	-	-10°C to 60°C	-10°C to 50°C	-10°C to 50°C
ACCESSORIES	1,2A,3A,3C,4A,4B, 9C,12 for TORQUE range refer to AVCON.	1,3B,3D,3E.	4D,11,12	4D,11,12	4D,11	4D,11,12	3B,3D,3E,3F,10 Available in Spring Return, Normally Closed / Normally Open / Double acting without spring.	3B,3D,3E,3F,10 Available in Spring Return, Normally Closed / Normally Open / Double actir without spring.
SERIES	FRG-7700	PPR / EPR	9484E/9384E / 9485E / 9385E	9350B/9352B/9354B/9358B	9360/9470	3350K015	3353K	3351K
TYPE	Filter Regulator with Gauge.	Valve Positioner.	2 and 3-Way Namur Base Solenoid Valve with 1/4" Inlet and Outlet.	3/2-Way Solenoid Valve.	3/2 and 4/2-Way Pilot Operated, Poppet Type, Solenoid Valves.	3/2-Way Midget Type Direct Acting Normally Closed Solenoid Valve.	3-Way Plastic Benjo Type Solenoid Valves	3-Way Plastic Namur Solenoid Valvi for Spring Return K-Series Plastic Linear Actuator.
PRODUCTS		SIL-3	3A	3B	3C	3D	JE 3E	
SPECIFICATIONS	FILTER REGULATOR GAUGE (FRG): Precision Regulator, bleed type. Regulates pressure from 20bar to 0 to 4bar or 2 to 10 bar. Supplied with or without pressure gauge.	Used on Pneumatic Actuator for positioning Ball Valve/ Butterfly Valve with respect to incoming pneumatic or electric signals 0.2 to 1bar / 4 to 20mA. Pneumatic to Pneumatic & Analog to Pneumatic.	NAMUR SOLENOID VALVE Reliable fast acting valve for Lockable resettable manual override as a standard. Valve type 3-way or 4-way is selectable by using re-orientations of plastic disc on No.2 port. (refer to IM).	Industrial duty, high quality, 3-way Solenoid Valve supplied with General Purpose, Weatherproof or Flameproof enclosure.	9360 Series is available in Normally Closed & Normally Open from 1/4" to 1 ½" size. 9470 series is available in 4/2 position with Single & Double Solenoid Valves available in 1/4" to ½".	Available in PA6 (Std 1/4") with BN/V seat.	Compact and Reliable, Fast Acting Valve with Manual Override as a Standard.	Valves suitable for Pressure 0 to 6 ba Temperature -10°C to 50°C
OFFICE				211 (22)	MUO	Machanical Channer		
SERIES TYPE	SB-300 Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Filame Proof & Weather proof Enclosure FLP-IIC, WP-66/67 for 90° Turn Actuators/ Valve. SB-300:(P2/P22/L2/L22/P4/P44/P6/P66/P8/P8/8)	SB-202 Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Weather proof Enclosure WP-66/67), for 90° Turn Actuators/ Valve SB-202:(P2/P22/L2/L22/P4/P44/P6/P66/P8/P88)	Extra Limit Switch Extra Limit Switch.	PLL/PPL Limit Switch/ Proximity Switch Box with Linear Movement (Weather proof Enclosure WP-65).	MHG Manual Gear Operator.	Mechanical Stopper Mechanical Stopper.	MA 512 AN/BN/532/533 Digital Interface for Motorised Valve (Linear, Rotary).	Brackets & Adapters.
PRODUCTS	44	4B	4D	5	90	10	NO COMMAN TO COM	888
	ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Flameproof and Weatherproof housing. Suitable for fine adjustment.	ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Weatherproof housing. Suitable for fine adjustment.	Extra Pair of Switches Potential free contacts.	Available for feedback arrangement with options of Micro Limit Switches/Micro Proximity Switches.Supply Voltage 12,24,48 VDC 24,110,230 VAC.	MANUAL GEAR OPERATOR 1. Adaptability to suit either manual or motorised operation by means of simple modification. 2. The mounting flange on the gear box is designed to suit ISO 5211 or DIN 3210 Standard.	Mechanical Stopper for plastic linear Pneumatic Actuator (NC/NO/DA). Available in SS (304/316) with Acrylic Transparent Protection shield.	Interfacing unit suitable for receiving & Transmitting 4-20 mA/0 to 10 volts signal. Applicable for MA-512 AN, MA 532.	Brackets with Adapter for coupling Actuator & Valve "ISO" mountings F4 to F12. Available in WCB,CF8(S4 (CS) CF8M (SS316).
8							Note : For Accessory	v No. 4D refer Page No. 8 & 11

SERIES	PV-5112A/B-5122A/B	PV-5116A/B-5119A/B	PV-5112A/WCBF-5122A/WCBF	PV-5116A/WCBF-5119A/WCBF	MV-5512A/B	MV-5516A/B	MV-5512A/WCBF	MV-5516A/WCBF	PV-5117B-NC/NO
TYPE	2/2-Way Pneumatic Control Valves	2/3-Way Pneumatic Control Valves	2/2-Way Pneumatic Control Valves	2/3-Way Pneumatic Control Valves	2/2-Way Motorised Control	2/3-Way Motorised Control	2/2-Way Motorised Control	2/3-Way Motorised Control	2/2-Way Pneumatic Opeated
	with Multi Spring Diaphragm Actuator, Normally Open or Normally closed.	with Multi Spring Diaphragm Actuator for Mixing or Diverting Fluid Application.	with Multi Spring Diaphragm Actuator, Normally Closed Design with Finned Bonnet.	with Multi Spring Diaphragm Actuator for Mixing or Diverting Fluid Application with Finned Bonnet.	Valves with Electric Actuator.	Valves with Electric Actuator for Mixing or Diverting Fluid Application.	Valves with Electric Actuator. with Finned Bonnet.	Valves with Electric Actuator for Mixing or Diverting Fluid Application. with Finned Bonnet.	Diaphragm Seated Valves with Multi Spring Diaphragm Actuator.
PRODUCTS									
BODIES	Available in GGG40,WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16.	Available in GGG40, WCB, CF8/CF8M. Trim in SS420/ 316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16.	Available in GGG40, WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16.	Available in GGG40,WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal.End connections as per ASMEB16.5 Class 150 or 300, DIN PN 16.	Available in GGG40, WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16.	Available in GGG40, WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16.	Available in GGG40,WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal End connections as per ASME B16.5 Class 150 or 300, DIN PN 16.	Available in GGG40,WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal. End connections as per ASMEB16.5 Class 150 or 300, DIN PN 16.	Available in C1/WCB with Lined & Hard Rubber for On-Off or Control application, with rubber/ PTFE Diaphragm. End connection as per ASMEB16.5 class 150 or BS
SIZES	15mm (½") to 150mm (6")	20mm (3/4") to 150mm (6")	15mm (½ ") to 150mm (6")	20mm (3/4") to 150mm (6")	15mm (½") to 150mm (6")	20mm (3/4") to 150mm (6")	15mm (½") to 150mm (6")	20mm (3/4") to 150mm (6")	15mm (½") to 150mm (6")
TEMPERATURE	Upto 200°C	Upto 200°C	Upto 420°C	Upto 420°C	Upto 220°C	Upto 220°C	Upto 420°C	Upto 420°C	Upto 130°C
FLUIDS	Air/Water/Gas/Oil/Steam	Air/Water/Gas/Oil/Steam	Hot Thermic Fluid/Hot water/ Super Heated Steam	Hot Thermic Fluid/Hot water/ Super Heated Steam	Air/Water/Gas/Oil/Steam	Air/Water/Gas/Oil/Steam	Hot Thermic Fluid/Hot water/ Super Hot Steam	Hot Thermic Fluid/Hot water/ Super Hot Steam	Corrosive/Non Corrosive
ACCESSORIES	1,2B,3B,4C,6,7,8,9A	1,2B,3B,4C,6,7,8,9A,	1,2B,3B,4C,6,7,8,9A,	1,2B,3B,4C,6,7,8,9A,	4D,11	4D,11	4D,11	4D,11	1,2B,3B,4C,6,7,8,9A
SERIES	MV-5517B	IBR 5112/5122AXX1	5141A-5142A / 5541A	7912/7922/7916/7919 A & B	7912/7922AWCBF	7916/7919AWCBF	KMG-100	KMB-300	COMB -100-300
TYPE	2/2-Way Motorised Diaphragm Seated Valves.	2-way pneumatic on-off Screwed end valves with Multi spring Diaphragm Actuator (IBR).	2-way pneumatic on-off valves with Multi spring Diaphragm Actuator.	2-Way and 3-Way Pneumatic on-off Valves with Multispring Diaphragm Actuator. (valve with Bellow seal) For Thermic Application.	2/2 way Finned Bonnet Control Valves, For On-Off or Control & Thermic Application.(Valve with bellow seal).	3/2 way Finned Bonnet Control Valves, Mixing or Diverting Application.	2/2-Way Motorised Globe Valves for Fuel Oil & General Application.	Motorised Butterfly Valves Low Leakage Type with KN 1.7 Actuator.	Combination Unit Consisting Of Globe Valves Type(MG) & Butterfly Valve(MB) with Electric Actuator.
PRODUCTS									
BODIES	Available in WCB / CI for On-Off or control application with rubber Diaphragm. End connections as per ASMEB16.5 class 150 or BS.	Available in WCB/CF8/CF8M Trim in SS 304/316/420 for on off control application. Seat Metal to Metal. End Connections Screwed BSP/BSPT/ NPT(F).	Available in WCB/CF8/CF8M, Trim in SS304/316/420 for on-off or Control Application, Seat Metal to Metal End. Connection as per ASME B 16.5 Class 150 or 300 RF or DIN PN 16.	Available in WCB (DIN1.0619 GS-C25). SG Iron - IS 1865 Grade SG 400/316. End Connection as per ASME B 16.5 150 Class or 300 RF, DIN PN-16.	Available in WCB.Trim in SS304/ 316 for On-Off or Control application. Seat Metal to Metal. End connections as perASMEB16.5 class 150 or 300 RF or DIN PN 16.	Available in WCB. Trim in SS304/316 for On-Off application. Seat-Metal to Metal or Soft Seats. End connection as per ASME B 16.5 class 150 or 300 RF.	Available in GM. Trim in SS304/ 316 for On-Off or Control application. Seat-Metal to Metal . End connection BSP(F).	Available in Cast Iron, Butterfly disc in Brass/ Stainless steel, for On-Off or Control application. End connection BSP(F)/Flanged to ASME B 16.5 class 150 RF.	Available in CI/GM.Trim in SS304/316 for On-Off or control application. Seat-Metal to Metal. End connection as per ASME B 16.5 class 150 and BSP(F)
SIZES	15mm (½") to 150mm (6")	15mm (1/2) to 25mm (1)	15mm (1/2) to 100mm (4)	15mm (½") to 50mm (2")	15mm (½") to 50mm (2")	20mm (3/4) to 50mm (2")	15mm (½ "), 20mm (3/4"), 25mm (1").	Air Line BSP (1") ANSI CI 150 35mm (1½") to 100mm (4"). 50mm (2") to 300mm (12")	Fuel Line 1mm (½ ") to 25mm (1"). Air Line 35mm (1½ ") to 150mm (6")
TEMPERATURE	Upto 130°C	- 40°C to 200°C	Upto 420°C	-20°C to +80°C	Upto 420°C	Upto 420°C	120°C	0°C to 120°C	GL- 120°C, BF- 80°C
FLUIDS	Corrosive/Non Corrosive	Air/Water/Oil/Steam	Hot Thermic Fluid/Hot water/ Super Hot Steam	Air/Water/Gas/Oil/Steam	Hot Thermic Fluid/Hot water/ Super Heated Steam	Hot Thermic Fluid/Hot water/ Super Heated Steam	Air/Gas/Oil	Oil/Gas	Air/Oil/Gas/Low Pr. Air
ACCESSORIES	4D,11	1,2B,3B,4C,6,7,8,9A	1,2B,3B,4C,6,7,8,9A	1,2B,3B,4C,6,7,8,9A,	4D,11	1,2B,3B,4C,6,7,8,9A	4D,11	4D,11	4D,11
SERIES	FRG-7700	PPL/EPL	Solenoid Valve(SVG/SVF)	Limit Switches (L1 or L2)	Extra Limit Switch	ITP	PTR	ALR	TMW
PRODUCTS	Filter Regulator with Gauge.	Linear Valve Positioner.	3/2 Solenoid Valve.	Single or Pair of Limit Switches.	Extra Limit Switch.	I To P Converter.	Valve Position Transmitter.	Air Lock Relay.	Top Mounted Hand Wheel
SPECIFICATIONS	FILTER REGUALATOR GAUGE (FRG) Precision Regulator, bleed type. Regulates pressure from 20bar to 0 to 4bar or 2 to 10 bar. Supplied with or without pressure gauge.	Used on Control Valve with respect to incoming pneumatic or electric signals 0.2 to1bar / 4 to 20mA. Pneumatic to Pneumatic & Analog to Pneumatic.	Industrial duty, high quality, 3-way Solenoid Valve supplied with General Purpose, Weatherproof or Flameproof enclosure.	Limit Switches (L1 or L2) Heavy Duty limit switches used when supplied with L1 (1-No) indicated "Valves open position" when supplied with L2(2-Nos) indicated "Valve open and close position.	Extra Pair of Switches Potential free contacts.	I To P Convertor Takes signal from controller either 4 to 20 mA DC(standard) or 0 to 20 mA (against special order) and converts the signal to pneumatic signal of 0.2 to1 Kg/cm².	Valve Position Transmitter Gets feed back from stem position, converts into 4 to 20 mA electric or 0.2 to 1 Kg/cm² pneumatic signal.	Air Lock Relay Used as an instrument to lock the valve in its previous position, on failure of supply pressure or signal pressure.	Top Mounted Hand Wheel Available for Normally Closed / Normally Open Valves using normal actuator. Sizes upto 150mm of the valves.

Note: For Accessory No 11 refer Page No. 7 & 9 11

SERIES	9100F / 9120F	9100H / 9120H	9130D / 9130H	9150A/B/E	9160 / 9162P	9160 / 9162K	9123M	9130B	9131E/9132E	9210B / 9220B
TYPE	2/2-Way NC or NO, Pilot	2/2-Way NC or NO, Pilot Piston	2/2-Way NC, Pilot Operated,	2/2 Position Angle Type and	2/2-Way NC, NO Pilot Piston	2/2-Way NC or NO Diaphragm,	2/2- Way Pilot Operated, Piston	2/2-Way Direct Acting	2/2- Way Pilot Operated,	2/2-Way NC or NO.
	Operated, Diaphragm Type, Solenoid Valves.	Operated, High Pressure Solenoid Valves.	Piston Type, Solenoid Valves. 2/2-Way Diaphragm Type,	Straight Type Solenoid Valves.	Type, Solenoid Valves.	Pilot Operated, Solenoid Valves.	Type, High Pressure Solenoid Valves.		Diaphragm Type Solenoid Valves.	Direct Acting, Solenoid Valves.
	NC D + + WM	NC DE TEM	Solenoid Valves.	NC DITTUM	NC DE TEM	NC DT T TW	NC D + + W	NC DI T	NC SIGN TO THE STATE OF THE STA	NC T T
FLOW DIAGRAM	NC CYP T NVVI	NC CAE TOWN	NC D	NC L I I	NC CAP I I NVVI	NC CAPITION NAME OF THE PROPERTY OF THE PROPER	NC TELL PAN	NC TELL INVIII	MC TITE OF THE STATE OF THE STA	NC CT NAM
			and and	8.		-4	8			2
		**************************************		12:27	444				o myst (b) f o	
PRODUCTS			Wa Wa					o maring.		Partition 1
		a 7/7/2		9 8 9		015 20			-	(A)
	200						A Metro			A G
FLOW DIAGRAM	NO DE TOM	NO THE W			NO DE TOM	NO DE TIME				NO TITUM
	- •	•				•			NO DE TIME	
BODIES	Available in CF8/CF8M casted with BN/V/E/T Seats.	Available in CF8/CF8M casted with BN/V/E/T Seats.	Available in CF8/CF8M casted with BN/V/E/T Seats.	Available in Aluminium Die casted, (upto 1 1/2"), above sizes in	, Available in WCB, Cast S.S. SGI (DI) With PTFE Seat.	Available in WCB,CF8, CF8M. SGI (DI) With BN / V Seat.	Available Stainless steel Bar Stock with PTFE Seat.	Available in Brass forged (upto 1/4"), CF8/CF8M casted with EPDM / Silicon	Available in Brass forged upto 25mm (1") with PTFE Seat.	Available in Brass forged, bar stock CF8/CF8M casted with BN/V/E/T
				Aluminium casting with BN Seat.		. ,		Seats.		Seats.
SIZES	10mm (3/8") to 75mm (3") BSP(F) / NPT	10mm (3/8") to 75mm (3") BSP(F) / NPT	10mm (3/8") to 50mm (2") BSP(F) / NPT	20mm (3/4") to 75mm (3") BSP(F)	25mm (1") to 150mm (6") Flanged to ASA 150 RF	25mm (1") to 150mm (6") Flanged to ASA 150 RF	15 mm (½") to 50 mm(2")	6 mm (1/4") to 15 mm(½")	10 mm (3/8") to 25 mm (1")	6mm (1/4") - 15mm (1/2") BSP(F) / NPT
TEMPERATURE	-5 ⁰ C to 120 ⁰ C	-5 ⁰ C to 120 ⁰ C	Upto 180 ⁰ C	Upto 80 ⁰ C	-5 ^O C to 120 ^O C	5°C to 120°C	5°C to 120°C	upto 150°C	Upto 150°C	-5 ^o C to 80 ^o C
FLUIDS	Air / Gas / Water / Light Oil	Air / Gas / Water / Light Oil	Hot Water / Steam	Air / Gas	Air / Water / Gas / Light Oil	Air / Water / Gas / Light Oil	Air / Water/Hydraulic Oil/ Corrosive Medium.	Hot Water/Steam	Steam/Hot Water/ Hydrualic Oil / Corrosive Medium.	Air / Gas / Water / Light Oil
	Class 'H'	Class 'H'	Class 'C'	Class 'H'	Class 'H'	Class 'H'	Class 'H'	Class 'C'	Class 'C'	Class 'H'
	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC. (No DC supply Coils)	230 volts 50 Hz AC or AC-24/110/220/240 and DC-24/110/220 supply.	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC / DC supply	230 Volts 50 Hz AC or Any standard in AC/DC supply	230 Volts 50 Hz AC Any standard AC/DC supply	230 Volts 50 Hz AC Any standard in AC supply	230 volts 50 Hz AC or Any STD in AC / DC supply
PRESSURE	0.5 to 10 bar	2 to 24 bar	1.4 to 4 bar / 0.5 to 9 bar	0.6 to 8.5 bar	2 to 25 bar	0.6 to 10 bar	4 to 110 bar.	0 to 4 bar.	0.5 to 9 bar.	0 to 30 bar
SERIES	9230D	9327U	9350B/9352B/9354B/9358B	9351A / 9352A	9331B / LT 500	9320B	9360 / 9362 D/E	Exib	R431E - Special Duty Valves	9461D/9462/9463D
TYPE	2/2-Way NC, Semi-Lift	3/2 Way Direct Acting Poppet	3/2-Way Midget Type, Direct	3/2-Way Pilot Operated,	3/2-Way Compressor Loading /	3/2-Way Direct Acting,	3/2-Way Pilot Operated, Poppet	2/2-3/2-4/2-Way Solenoid Valves with Intrinsic Safe Coil System	5/2 Way Direct Acting Solenoid Valves with Seismically, Qualified	4/2-4/3-Way Pilot Operated,
	Diaphragm Type, Solenoid Valves.	Type Universal Ported Solenoid Valves.	Acting Solenoid Valves NC or NO.	Diaphragm Type, Solenoid Valves, NC or NO.	Unloading Solenoid Valves.	Solenoid Valves. NC/ NO/ Universal.	Type, Solenoid Valves. NC or NO.	Exib Lib T ₆ .	Radiation, Loca Qualified as well as Certified for Life Span of 20 Years.	Spool & Sleeve type, Solenoid Valves.
FLOW DIAGRAM	NC D	UNI TIM	NC TITE	NC DITTO	NC TIME	NC LL TI / TIM			Certified by : KLPL,CPRI,FCRI	
				a Q	2		421/1921	DD-11-1M		
	· mone	* PETERS *		Bryte Aller		eliting.	State La	DOG-(I		
PRODUCTS			*25000	The ATTER	31.00	Jie,	0			1000
	2 2		all cles	The Man			9	6		18.00
	The state of the s	1	Alb And			W 75/11				
FLOW DIAGRAM		ď	No THE	NO TOTAL CONTRACTOR OF THE PARTY OF THE PART	1	NO TITOM	NC TT TIM			WYD VII JAW
I LOW BIAGRAM			NO TITO	NO DE 1		UNI 🔼 Ț I / Ţ MM	NO DE TIME	\[\frac{1}{4}\text{\tint{\text{\tin}\exitit{\text{\text{\text{\text{\text{\text{\text{\text{\texi\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\exitit{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\exititt{\texi}\\ \ti}\\\ \tinth}\\ \tinth}\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\tinthtt{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\texi}\\ \ti}\\\ \\tinth}\tinthtt{\text{\tin}\text{\text{\text{\text{\text{		MAD TITLE AND THE
BODIES	Available in CF8/CF8M casted	Available in Brass, Stainless	Available in Brass forged,	Available in Stainless Steel	Available CF8/CF8M casted	Available in Brass Forged,	Available in Aluminium	Available in Aluminium, Brass	Available in Brass IS-1369	Available in Aluminium, Bar Stock
	with BN/V/E/T Seats.	Steel Bar Stock with viton (FPM) Seat.	CF8/CF8M casted with BN/V/E/T Seats.	casted with BN / V Seat.	with BN/V/E/T Seats.	Stainless Steel Bar Stock with BN / V / N Seat.	Bar Stock with BN / V Seat.	Bar Stock, Brass Forged with BN / V / N Seat.	Viton Seat	with BN / V / N Seat.
SIZES	10mm (3/8") to 50mm (2") BSP(F) / NPT	6mm (1/4") to 15mm (1/2") BSP(F) / NPT	6mm (1/4") BSP / NPT	10mm (3/8") to 15mm (1/2")	6mm (1/4") BSP(F) / NPT	6mm (1/4") BSP(F) / NPT	6mm (1/4") to 35mm (1 1/2") BSP(F) / NPT	6mm (1/4") to 25mm (1")	5mm (1/4") to 7mm (1/2")	6mm (1/4") to 15mm (1/2") BSP(F) / NPT
TEMPERATURE	-5 ^o C to 80 ^o C	-5°C to 80°C	-5°C to 80°C	-5°C to 80°C	Upto 120 ⁰ C	-5°C to 80°C	-5 ^o C to 80 ^o C	Upto 80°C	0°C to 80°	-5°C to 80°C
FLUIDS	Air / Gas / Water / Light Oil	Air / Gas / Water / Light Oil	Air / Gas / Water / Light Oil	Air / Gas	Air / Water / Gas / Light Oil.	Air / Water / Gas / Light Oil.	Air / Gas	Air / Gas	Air & Water	Air / Gas
COIL INSULATION	Class 'H'	Class 'H'	Class 'H'	Class 'H'	Class 'H'	Class 'H'	Class 'H'	Class 'H'	Class 'C'	Class 'H'
VOLTAGE	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC / DC	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC / DC	230 volts 50 Hz AC or Any STD in AC / DC	230 volts 50 Hz AC or Any STD in AC / DC supply	24 volt DC maximum current 23mA	230 volts 50 Hz AC or Any STD in AC / DC supply	230 volts 50 Hz AC or Any STD in AC / DC supply
PDECOURE		01-401	01: 401:		01: 001:	04-404	04-404	04-404	0.5 to 40.00-	04-404
PRESSURE	0 to 6 bar	0 to 10 bar	0 to 10 bar	0.5 to 10bar	0 to 20 bar	0 to 10 bar	2 to 10 bar	2 to 10 bar	0.5 to 10 Bar	2 to 10 bar
	9470E / 9472E	3210K / R210K	3350K	9280B	9281B / 9381B	9380B	9389D / R389E	R641E/R641K	9440B/9442B/R440E/R442E	R327U - Special Duty Valves
TYPE	4/2-Way Pilot Operated, Poppet type, Solenoid	2/2- Way Midget Type, Direct								3/2 Way Valves with Seismically,
	Valves.	Acting Solenoid Valves.	3/2- Way Midget Type, Direct Acting Solenoid Valves.	Gang Type Manifold Mounted 2/2-Way Direct Acting, Solenoid Valves.	2/2-3/2-Way Gang Type Manifold Mounted, Solenoid Valves.	Gang Type Manifold Mounted 3/2-Way Direct Acting, Solenoid Valves.	Gang Type Manifold Mounted 3/2-Way Pilot Poppet Type, Nc Valves.	2/2-Way Pilot Operated Diaphragm type, Solenoid Valves.	4/2 Way Pilot Operated Poppet Type Solenoid Valve.	Qualified Radiation, Loca Qualified as well as Certified for Life Span of
FLOW DIAGRAM	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	Qualified Radiation, Loca Qualified as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI
FLOW DIAGRAM			Acting Solenoid Valves.	Gang Type Manifold Mounted 2/2-Way Direct Acting, Solenoid Valves.	Valves.	3/2-Way Direct Acting, Solenoid Valves. NC	3/2-Way Pilot Poppet Type,		Type Solenoid Valve.	as well as Certified for Life Span of
FLOW DIAGRAM	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
FLOW DIAGRAM PRODUCTS	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
PRODUCTS FLOW DIAGRAM	Valves.	Acting Solenoid Valves. NC The solenoid Valves.	Acting Solenoid Valves. NC	NC The second values.	Valves. NC T T M NC T T	Solenoid Valves. NC THE STATE OF THE STATE	3/2-Way Pilot Poppet Type, Nc Valves.	NC THE TWO	Type Solenoid Valve.	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI
PRODUCTS	Valves.	Acting Solenoid Valves.	Acting Solenoid Valves.	Solenoid Valves.	Valves.	Solenoid Valves.	3/2-Way Pilot Poppet Type,	Diaphragm type, Solenoid Valves.	Type Solenoid Valve.	as well as Certified for Life Span of
PRODUCTS FLOW DIAGRAM BODIES	Available in Aluminium, with BN / V Seat.	Acting Solenoid Valves. NC The solenoid Valves. Available in PA6 upto	Acting Solenoid Valves. NC	NC T Available in Stainless Steel	Valves. NC	Solenoid Valves. NC	3/2-Way Pilot Poppet Type, Nc Valves. Out Ex O Available in Aluminium Bar	NC Available in Glass Filled Nylon	Type Solenoid Valve. SIL-3 Available in investment Casted	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI
PRODUCTS FLOW DIAGRAM BODIES SIZES	Available in Aluminium, with BN / V Seat. 6mm (1/4") to 15mm (1/2") BSP(F) / NPT	Available in PA6 upto 6mm (1/4") with BN / V Seat.	Acting Solenoid Valves. NC	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F)	NC The state of th	NC Available in Stainless Steel casted with BN Seat.	Available in Aluminium Bar Stock with BN Seat.	NC Available in Glass Filled Nylon with Hytrel Seat.	Available in investment Casted CF8/CF8M with Viton Seat.	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI Available in Brass IS-1369 Viton Seat
PRODUCTS FLOW DIAGRAM BODIES SIZES TEMPERATURE	Available in Aluminium, with BN / V Seat.	Available in PA6 upto 6mm (1/4") with BN / V Seat.	Acting Solenoid Valves. NC	NC The stainless Steel casted with BN Seat.	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F)	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F)	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F)	NC Available in Glass Filled Nylon with Hytrel Seat.	Available in investment Casted CF8/CF8M with Viton Seat. 6mm (1/4") to 25mm (1") NPT / BSP	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI Available in Brass IS-1369 Viton Seat 5mm (1/4") to 7mm (1/2")
PRODUCTS FLOW DIAGRAM BODIES SIZES TEMPERATURE FLUIDS	Available in Aluminium, with BN / V Seat. 6mm (1/4") to 15mm (1/2") BSP(E) / NPT -5°C to 80°C	Available in PA6 upto 6mm (1/4") with BN / V Seat. 6 mm (1/4") to 15 mm(½") 5°C to 80°C	Acting Solenoid Valves. NC Available in PA6 (Std 1/4") with BN/V seat. 6 mm (1/4") 5°C to 80°C	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C	Available in Glass Filled Nylon with Hytrel Seat. 15mm(1/2") to 50mm (2") BSP-F / RP BSP-T -5°C to 65°C	Available in investment Casted CF8/CF8M with Viton Seat. 6mm (1/4") to 25mm (1") NPT / BSP -5°C to 80°C	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI Available in Brass IS-1369 Viton Seat 5mm (1/4") to 7mm (1/2") 0°C to 80°
PRODUCTS FLOW DIAGRAM BODIES SIZES TEMPERATURE FLUIDS COIL INSULATION	Valves. Available in Aluminium, with BN / V Seat. 6mm (1/4") to 15mm (1/2") BSP(F) / NPT -5°C to 80°C Air / Gas	Available in PA6 upto 6mm (1/4") with BN / V Seat. 6 mm (1/4") to 15 mm(½") 5°C to 80°C Air / Gas	Available in PA6 (Std 1/4") with BN/V seat. 6 mm (1/4") 5°C to 80°C Air / Gas	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas	Available in Glass Filled Nylon with Hytrel Seat. 15mm(1/2") to 50mm (2") BSP-F / RP BSP-T -5°C to 65°C Air / Gas / Water	Available in investment Casted CF8/CF8M with Viton Seat. 6mm (1/4") to 25mm (1") NPT / BSP -5°C to 80°C Air / Gas / Light Oil / Water	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI Available in Brass IS-1369 Viton Seat 5mm (1/4") to 7mm (1/2") 0°C to 80° Air & Water
PRODUCTS FLOW DIAGRAM BODIES SIZES TEMPERATURE FLUIDS COIL INSULATION VOLTAGE	Valves. Available in Aluminium, with BN / V Seat. 6mm (1/4") to 15mm (1/2") BSP(F) / NPT -5°C to 80°C Air / Gas Class 'H' 230 volts 50 Hz AC or	Acting Solenoid Valves. NC	Acting Solenoid Valves. NC Available in PA6 (Std 1/4") with BN/V seat. 6 mm (1/4") 5°C to 80°C Air / Gas Class 'H' 230 Volts 50 Hz AC	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas Class 'H' 230 volts 50 Hz AC or	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas Class 'H' 230 volts 50 Hz AC or	Available in Stainless Steel casted with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas Class 'H' 230 volts 50 Hz AC or	Available in Aluminium Bar Stock with BN Seat. 6mm (1/4") Outlet BSP(F) -5°C to 80°C Air / Gas Class 'H' 220/230/240/110/48/24V	Available in Glass Filled Nylon with Hytrel Seat. 15mm(1/2") to 50mm (2") BSP-F / RP BSP-T -5°C to 65°C Air / Gas / Water Class 'H' 230 volts 50 Hz AC or	Available in investment Casted CF8/CF8M with Viton Seat. 6mm (1/4") to 25mm (1") NPT / BSP -5°C to 80°C Air / Gas / Light Oil / Water Class 'H' 230 volts 50 Hz AC or	as well as Certified for Life Span of 20 Years. Certified by : KLPL,CPRI,FCRI Available in Brass IS-1369 Viton Seat 5mm (1/4") to 7mm (1/2") 0°C to 80° Air & Water Class 'C' 230 volts 50 Hz AC or



Industry We Serve













15