



M I C R O T O R Q U E C O N T R O L



## BALL VALVES



**MOC** : CI, WCB, CF8, CF8M, CF3, CF3M  
**SIZE** : 15NB TO 600NB  
**CLASS** : 125# / 150# / 300# / 600#  
**DESIGN** : 1 PCS / 2 PCS / 3 PCS  
**ENDS** : SCREWED / FLANGED  
           : SOCKET WELD / TC END  
**OPERATION** : HANDLE / GEAR

## BUTTERFLY VALVE



**MOC** : CI / WCB / CF8 / CF8M  
**SIZE** : 50NB TO 1800NB  
**LINING** : NITRILE / EPDM / PTFE / SILICON  
**DESIGN** : WAFER / DOUBLE FLANGE / LUG  
**OPERATION** : LEVER / GEAR OPERATION

## GATE VALVES



**MOC** : CI / WCB / CF8 / CF8M  
**SIZE** : 25NB TO 300NB  
**CLASS** : 150# / 300# / 600#  
**W. PRESS** : 150 PSIG  
**HYD TEST** : BODY : 425 PSIG  
           : SEAT : 300 PSIG  
**OPERATION** : WHEEL / WORM GEAR  
**END CONN.** : FLANGED END

## GLOBE VALVE



**MOC** : CI / WCB / CF8 / CF8M  
**SIZE** : 25NB TO 300 NB  
**CLASS** : 150# / 300# / 600#  
**W. PRESS** : 150 PSIG  
**HYD TEST** : BODY : 425 PSIG  
           : SEAT : 300 PSIG  
**OPERATION** : WHEEL / WORM GEAR  
**END CONN.** : FLANGED END

## NON RETURN VALVE



**MOC** : CI / WCB / CF8 / CF8M  
**SIZE** : 25NB TO 300NB  
**CLASS** : 150# / 300# / 600#  
**W. PRESS** : 150 PSIG  
**HYD TEST** : BODY : 425 PSIG  
           : SEAT : 300 PSIG  
           : SELF ACTUVATED  
**END CONN.** : FLANGED END

## Y TYPE STRAINER



**MOC** : CI / WCB / CF8 / CF8M  
**SIZE** : 25NB TO 350 NB  
**CLASS** : 150# / 300#  
**W. PRESS** : 213 PSIG  
**F TO F** : ND - 40 / ANSI B 16.10  
**END** : FALNGED END / ND-40  
       : B 16.5 / BS 10 TABLE "E"

## "T" TYPE STRAINER



**MOC** : CI / M.S. FABRICATED  
**SIZE** : 40MM TO 200MM  
**END CONN.** : FLANGED TABLE E / 150#  
**W. PRESS** : 213 PSIG

## POT TYPE STRAINER

**MOC** : MS / S. S. 304 / S. S. 316  
**SIZE** : 25 MM TO 1000MM  
**END CONN.** : FLANGED ASA 150#  
**TEST PRESS.** : 15 KG.

## BUCKET TYPE STEAM TRAP



**MOC** : CAST IRON  
**SIZE** : 15MM TO 50MM  
**END CONN.** : SCREWED END

## TD-3 STEAM TRAP

**MOC** : CAST IRON / M.S. / AISI410  
**SIZE** : 15MM TO 50MM  
**END CONN.** : SCREWED END

## WAFER CHECK VALVE



**MOC** : CI / WCB / CF8 / CF8M  
**SIZE** : 25NB TO 1000NB  
**MFG. STD.** : API 6D / ANSI B 16.50  
**PRESS CLASS** : ND - 10, ND - 16, ND - 40  
           : ASA 150# , ASA 300#  
**END CONN.** : WAFER TYPE  
**TEMP.** : 350 F

## SAFETY VALVE ST. PATTEN



**MOC** : WCB / S. S. 304 / S. S. 316  
**TRIM** : 13 CR.  
**END CONN.** : AS PER 2533/2543/2535/2545  
**SIZE** : 25MM TO 150MM  
**MAX SET PRESS:** 14KG/CM2  
**TEMP.** : 400 F

## KNIFE EDGE GATE VALVE



**MOC** : C.I., WCB, S. S. 304, S. S. 316  
**END CONN.** : LUGS / WAFER TYPE  
**SIZE** : 50MM TO 750MM  
**RATING** : 150 PSIG  
**WORKING PRESS:** 213 PSIG  
**OPERATION** : MANUALLY / GEAR  
           : / PNEUMATIC CYL. OPERATED

## PINCH VALVE



**MOC** : CI, ALUMINIUM, SGI  
**END CONN.** : FLANGED AS PER BS 10  
           : TABLE "D"  
**SIZE** : 25MM TO 200MM  
**TEST PRESS** : BODY : 10KG/CM2  
           : SEAT : 7 KG/CM2  
**TYPE** : CLOSE BODY

## FORGED CARBON STEEL

### BALL VALVE, GATE VALVE, GLOBE VALVE AND N.R.V.



**MOC** : ASTM A 105 / F304 / F316  
**END CONN.** : S/E , S/W,  
**W.PRESSURE** : 800#, 1500#, 2500#  
**SIZE** : 15MM TO 50MM

## AIR VALVE



**MOC** : CAST IRON  
**END CONN.** : SCREWED / FLANGED  
**SIZE** : 25MM TO 600MM  
**TYPE** : SINGLE / DOUBLE  
       : KINETIC TYPE  
**PRSS. RATING** : ASA 125# / 150# / 300#

## PNEUMATIC ACTUATOR BALL VALVE



MOC	: WCB, CF8, CF8M, CF3, CF3M
SIZE	: 15NB TO 1500NB
CLASS	: 150# / 300# / 600#
DESIGN	: 1 PCS / 2 PCS / 3 PCS
ENDS	: SCREWED / FLANGED SOCKET WELD / TC END
ACTUATOR	: SINGLE / DOUBLE ACTING

## PNEUMATIC ACTUATOR BUTTERFLY VALVE



ACTUATOR	: SINGLE / DOUBLE ACTING
SIZE	: 40MM TO 500MM
VALVE BODY	: C. I. / WCB / Cf8 / CF8M / ALLUMINIUM
DISC	: C.I. / CF 8 / CF 8M
SEALS	: NITRILE/ EPDM / PTFE
PRESS RATING	: PN 10 (MAX)
OPER TEMP	: 700C

## ANGLE TYPE CONTROL VALVE



TYPE	: NORMALLY CLOSE/OPEN
SIZE RANGE	: 1/2" TO 3"
BODY	: CF8 / CF8M
PNEU. PRESS.	: 3.5 TO 7 BAR
WO. PRESS.	: UPTO 16 BAR
WORKING TEMP.	: 1800C
ENDS	: SCREWED / FLANGED
MEDIA	: AIR, WATER, OIL, GAS, STEAM AND CHEMICAL

## PNEUMATIC OFFSET DISC BFV



ACTUATOR	: SINGLE / DOUBLE ACTING
SIZE RANGE	: 40MM TO 600MM
VALVE BODY	: CF8 / CF8M / WCB
DISC	: CF8 / CF8M
SEAT	: PTFE / VITON / SILICON
PRESS. RAT.	: ANSI 150#
OPE. TEMP.	: 1800C

## DIAPHRAGM OPERATED CONTROL VALVE



TYPE	: DIAPHRAGM CONTROL VALVE
SIZE RANGE	: 25MM TO 200MM
BODY & END PIECE	: WCB / S. S.
DIAPHRAGM	: POLYURETHAN
DIAPHRAGM COVER	: SHEET, METAL, PRESSING
WORKING PRESS.	: 150#
WORKING TEMP.	: UPTO 4500C
SEATING	: METAL TO METAL
MEDIA	: THERMIC FLUID

## MIXING AND DIVERTING VALVE



ACTUATOR	: ALUMINIUM PRESS DIE CAST
VALVE BODY	: S. S. 304
WORKING PARTS	: S. S. 304
PRESSURE	: UPTO 16 BAR / 42 BAR
TEMP.	: UPTO 1800C
PNE. PRESS.	: UPTO 3.5 TO 7 BAR
MEDIA	: AIR, STEAM, GAS, WATER AND OIL CHEMICAL
ENDS	: SCREWEND END / FLANGED END

## DIAPHRAGM TYPE SOLENOID VALVE



ACTUATOR	: PILOT OPERATED
TYPE	: NORMALLY CLOSE / OPEN
SIZE RANGE	: 1/2" TO 2"
BODY	: CF8 / BRASS
DIAPHRAGM	: NITRILE/ PTFE
PRESS	: 0.5 TO 10 BAR
TEMPERATURE	: UPTO 850C
ENDS	: SCREWED / FLANGED
MEDIA	: AIR, WATER, OIL, GAS, VACCUM
AVAILABLE VOLT.	: ALL STD. VOLTAGE AVAILABEL

## SOLENOID VALVE



SIZE	: 1" TO 1.1/2"
BODY	: ALUMINIUM DIE CAST
DIAPHRAGM	: CANVAS / NITRILE / PU
PRESS.	: 0.6 TO 10 BAR
TEMP.	: 800C
AVAILABLE VOLT.	: ALLSTD. VOLTAGE AVAILABLE

## MOTORIZED BALL VALVE



ACTUATOR	: SINGLE PHASE / 3 PHASE
TYPE	: ON / OFF & MODULATING
OPERATION	: QUARTER / MULTI TURN
MATERIAL	: ALLUMINIUM
PROTECTION	: IP 67
MATERIAL	: CS / S.S. / PVC / PP
SIZE RANGE	: 1/2" TO 10" (FULL / REDUCE)
TYPE OF VALVE	: 2 WAY/ 3 WAY AND 4 WAY
END CONNECTION	: SCREWED / SOCKET / FLANGED / TRI CLOVER

## MOTORIZED BUTTERFLY VALVE



ACTUATOR	: SINGLE PHASE / 3 PHASE
TYPE	: ON / OFF & MODULATING
OPERATION	: QUARTER / MULTI TURN
MATERIAL	: ALLUMINIUM
PROTECTION	: IP 67
MATERIAL	: CF / CS
SIZE RANGE	: 1.1/2" TO 48"
TYPE OF VALVE	: WAFER / DOUBLE FLANGE
END CONNECTION	: WAFER ASA 150#

## MOTORIZED CONTROL VALVE



ACTUATOR	: SINGLE PHASE / 3 PHASE
TYPE	: ON / OFF & MODULATING
OPERATION	: MULTI TURN
MATERIAL	: ALLUMINIUM
PROTECTION	: IP 67
MATERIAL	: CS / S.S.
SIZE RANGE	: 1/2" TO 8"
TYPE OF VALVE	: 2 WAY / 3 WAY
END CONNECTION	: SCREWED / SOCKET / FLANGED
MEDIA	: THERMIC FLUID / STEAM

## MOTORIZED GATE / GLOBE VALVE



ACTUATOR	: SINGLE PHASE / 3 PHASE
TYPE	: ON / OFF & MODULATING
OPERATION	: QUARTER / MULTI TURN
MATERIAL	: ALLUMINIUM
PROTECTION	: IP 67
MATERIAL	: CS / SS
SIZE RANGE	: 1.1/2" TO 12"
END CONNECTION	: S/E, S/W, F/E



# Pneumatic Cylinder and Accessories...

## HEAVY DUTY CYLINDER



MODEL : RMS  
 OPERATION : SINGLE / DOUBLE  
 BORE SIZE : 25MM TO 450MM  
 STROKE : UPTO 2500MM  
 END COVER : ALUMINIUM / CI  
 BARREL : ALUMINIUM / S. STEEL  
 SEALS : BUNA - N / VITON  
 PISTON : CI / M.S.  
 PISTON ROD : EN 8 / S. STEEL  
 PRESSURE : UPTO 12 BAR  
 TEMP. : 85 C MAX  
 MEDIA : AIR & GAS

## ISO 6431 CYLINDER



MODEL : PROFILE  
 OPERATION : SINGLE / DOUBLE  
 BORE SIZE : 32MM TO 160MM  
 STROKE : UPTO 2500MM  
 END COVER : ALUMINIUM / CI  
 BARREL : ALUMINIUM / BRASS  
 SEALS : BUNA - N / VITON  
 PISTON : CI / M.S.  
 PISTON ROD : EN 8 / S. STEEL  
 PRESSURE : UPTO 12 BAR  
 TEMP. : 85 C MAX  
 MEDIA : AIR & GAS

## ROUND BODY MIDGET TYPE



OPERATION : SINGLE / DOUBLE  
 BORE SIZE : 12, 16, 20 & 50  
 STROKE : UPTO 1000MM  
 END COVER : ALUMINIUM  
 BARREL : ALUMINIUM / BRASS  
 SEALS : BUNA - N / VITON  
 PISTON : BRASS / ALUMINIUM  
 PISTON ROD : EN 8 / S. STEEL  
 PRESSURE : UPTO 12 BAR  
 TEMP. : 85 C MAX  
 MEDIA : AIR

## 2/2 & 3/2 WAY DIRECT ACTING SOLENOID VALVE



MODEL : FARMDA / FBSD  
 SIZE : 1/4" & 1/2" BSP / NPTI  
 PRESSURE : UPTO 10 KG/CM2  
 (40 AND 60 KG ON REQ)  
 MEDIA : AIR, GAS, WATER, OIL & STEAM  
 COIL : ALL STD. VOLTAGE AVAILABLE

## 3/2, 5/2 & 5/3 WAY SOLENOID VALVE



MODEL : NAMUR  
 SIZE : 1/4" & 1/2" BSP / NPTI  
 PRESSURE : UPTO 10 KG/CM2  
 MEDIA : AIR  
 COIL : ALL STD. VOLTAGE AVAILABLE

## 5/2 & 5/3 WAY MANUAL CONTROL VALVE



MODEL : RM  
 SIZE : 1/4"  
 PRESSURE : UPTO 10 KG/CM2  
 TYPE : DETEND / SPRING RETURN

## 3/2, 5/2 & 5/3 WAY PUSH PULL VALVE



MODEL : Ad20  
 SIZE : 1/4"  
 PRESSURE : UPTO 10 KG/CM2  
 TYPE : DETEND / SPRING RETURN

## 3/2, 5/2 WAY FOOT PEDAL VALVE



MODEL : RM  
 SIZE : 1/4" & 1/2"  
 PRESSURE : UPTO 10 KG/CM2  
 TYPE : SPRING RETURN

## OIL REMOVAL FILTER



BODY : ALUMINIUM DIE CAST  
 SIZE : 1/2" TO 2"  
 END CONN. : SCREWED BSP / NPT  
 MEDIA : AIR  
 PRESSURE : UPTO 10 KG/CM2

## FILTER + REGULATOR + LUBRICATOR



MODEL : STD  
 BODY : ALUMINIUM PRESS. DIE CAST  
 BOWL : POLYCARBONATE WITH GUARD  
 SIZE : 1/4" & 2"  
 ELEMENT : 25 MICRON  
 OP. PRESSURE : UPTO 10 KG/CM2

## MOISTURE SEPARATOR



BODY : M. S. / ALUMINIUM  
 SIZE : 1/4" & 6"  
 END CONN. : SCREWED / FLANGED  
 MEDIA : AIR, GAS & STEAM  
 DRAIN FACILITY : MANUAL / AUTOMATIC WITH METAL BOWL & INDICATOR

## PU PIPES, FITTINGS AND PRESSURE GAUGE



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