

YOUR SMART
CHOICE FOR
PREMIUM
AUTOMATIC VALVE

(주) 윤 밸브 기술 제품 소개서

ABOUT YOON VALVE TECHNOLOGY

당사의 자동화밸브는 반도체장비, 수처리장비, 식품장비, 산업설비를 비롯한 제약, 발전, 석유화학, 플랜트 등 산업 전반의 생산설비에 적용되고 있는 자동밸브 엔지니어링 전문 회사입니다.

2008년 창업이후 고객의 NEEDS에 부응하는 고부가가치의 제품공급과 기술제공으로 시장의 주목을 받으며 지속성장을 이루어 왔습니다.

앞으로 고객의 신뢰를 바탕으로 커가는 기업 고객과 함께 큰 꿈을 키우고, 미래를 선도하는 기업으로 만들어 나아가겠습니다.

- 2008**
 - 01월 윤밸브기술 설립
(주)오토마 대리점 인정
 - 02월 CKD 공기압 전문 대리점 취득
- 2009**
 - 06월 CKD 방폭 NAMUR 밸브 개발 및 독점 계약
- 2010**
 - 10월 뉴메틱 액추에이터 “R” SERIES 개발 완료
- 2012**
 - 09월 솔레노이드밸브 “YN” SERIES 개발 완료
 - 12월 솔도신도시지식산업센터 입주
- 2013**
 - 02월 솔레노이드밸브 이력 포함하는 자동밸브 특허등록 (제10-1239005호)
 - 04월 솔레노이드 밸브 디자인 등록
2014 KPCA 전시회 참전
 - 09월 클린사업장 인정
- 2014**
 - 03월 벤처기업인증
 - 04월 ISO 9001/14001 인증 취득
무역협회 등록
 - 05월 한국산업기술원(KTL) “YN” SERIES LP65 시험성적서 합격
 - 06월 솔레노이드밸브 “YN” SERIES 호주/싱가폴 수출
 - 09월 2014 KOFAS 전시회 참전
- 2016**
 - 07월 베트남호치민국제기계전(MTA VIETNAM) 참전
 - 10월 사업자 법인으로 전환

OUR VISION & MISSION

최고의 품질로 더 안전하고 환경친화적인
제품을 제공함으로써
사회에 공헌하는 기업이 되겠습니다.



공압식 1 피스 바디 볼 밸브
R** - **S1 SERIES

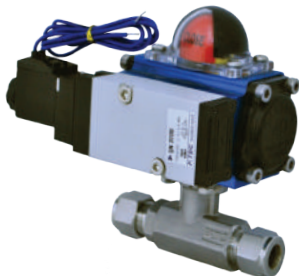


• 1 PIECE
BALL VALVE BODY
(REDUCER BORE)



• LOCK FITTING TYPE
BALL VALVE BODY

TYPE	1 Piece Screwed ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M)
RATING	KS / JIS 10K / 1,000 psi
CONNECTION	Thread (Screw ends)
SIZE	8A ~ 50A (1/4" ~ 2")



공압식 3피스 바디 볼 밸브

R** - ** S3 SERIES



• 3 PIECE
BALL VALVE BODY
(FULL BORE)



• EXTEND TYPE
3 PIECE
BALL VALVE BODY



• 3 PIECE
BALL VALVE BODY
INNER STRUCTURE

TYPE	3 Piece Screwed ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M)
RATING	KS / JIS 10K / 1,000 psi
CONNECTION	Thread (Screw ends)
SIZE	8A ~ 80A (1/4" ~ 3")



공압식 고압용 볼 밸브
R** - ** S3HP SERIES



• 3 PIECE
HIGH PRESSURE
BALL VALVE BODY
(1,500 / 2,000 Psi)



• HYDRO
HIGH PRESSURE
BALL VALVE BODY
(MAX 500 Bar)



• LOK FITTING TYPE
HIGH PRESSURE
BALL VALVE BODY

TYPE	High pressure ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M / A105)
RATING	1000 ~ 6000PSI
CONNECTION	Thread (Screw ends)
SIZE	8A ~ 100A (1/4" ~ 4")



공압식 플랜지 볼 밸브

R** - **F SERIES



• BRACKET MOUNTING
FLANGE
BALL VALVE BODY



• TEFLON LINED
FLANGE
BALL VALVE BODY



• DIRECT MOUNTING
FLANGE
BALL VALVE BODY

TYPE	2 Way Flanged ball valve
MATERIAL	SCS13 / SCS14 / SCS16 (CF8 / CF8M / CF3M)
RATING	KS 10K, 20K / ANSI #150, 300
CONNECTION	Flange (RF)
SIZE	15A ~ 250A (1/2" ~ 10")



공압식 나사식 3 웨이 볼 밸브
R ** - ** S3W SERIES



• NW CLAMP
STANDARD TYPE
3 WAY
BALL VALVE BODY



• NW CLAMP
BOTTOM TYPE
3WAY
BALL VALVE BODY

TYPE	3 Way Screwed ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M)
RATING	KS / JIS 10K / 1,000 psi
CONNECTION	Thread (Screw ends) / Clamp ends
SIZE	8A ~ 50A (1/4" ~ 2") / NW 15 ~ NW 50



공압식 플랜지식 3 웨이 볼 밸브

R ** - ** F3W SERIES



- BRACKET MOUNTING
FLANGE
3 WAY BALL VALVE BODY
("L"/"T" Port)

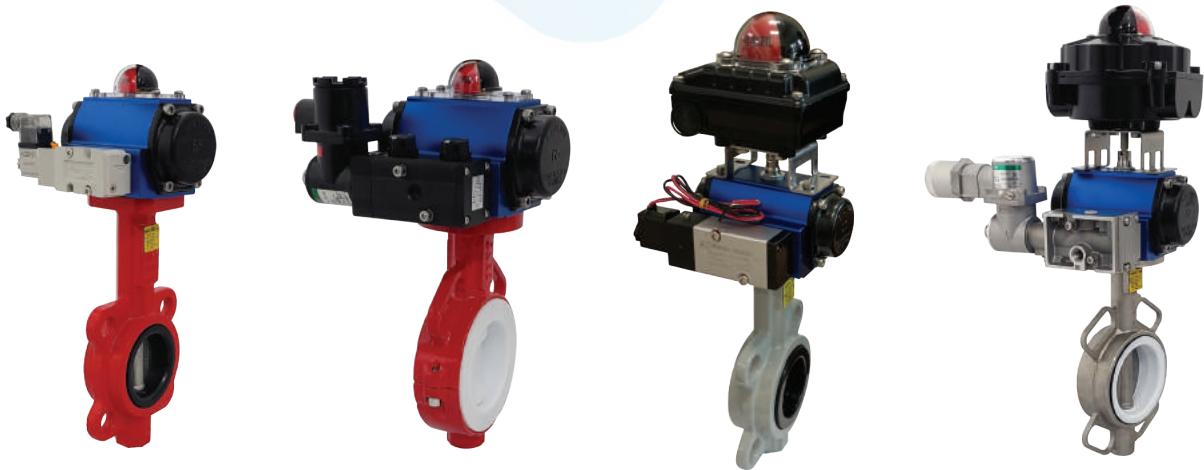
TYPE	3 Way Flanged ball valve
MATERIAL	SCS13 / SCS14 / SCS16 (CF8 / CF8M / CF3M)
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Flange (RF)
SIZE	15A ~ 200A (1/2" ~ 8")



공압식 버터플라이 밸브
R** - ** BF SERIES



TYPE	Butterfly valve
MATERIAL	FC20 / FCD450 / SCS13 / SCS14 / AL
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Wafer / Flange / Lug
SIZE	25A ~ 600A (1" ~ 24")



공압식 하이퍼포먼스 버터플라이 밸브 R** - ** HBF SERIES



• FCD / WCB MATERIAL
HIGH PERFORMANCE
BUTTERFLY VALVE BODY



• STAINLESS MATERIAL
HIGH PERFORMANCE
BUTTERFLY VALVE BODY

TYPE	High performance Butterfly valve
MATERIAL	FCD450 / WCB / SCS13 / SCS14
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Wafer
SIZE	40A ~ 450A (1-1/2" ~ 18")



공압식 유니온식 PVC 볼 밸브
R** - ** PU SERIES



• BRACKET MOUNTING TYPE
PVC BALL VALVE BODY



• BRACKET MOUNTING TYPE
PP BALL VALVE BODY
(GF)



• BRACKET MOUNTING TYPE
PVC BALL VALVE BODY
(HERSHEY)

TYPE	PVC Union / Screw ball valve
MATERIAL	PVC / C-PVC / CLEAN PVC / PP / PVDF
RATING	KS / JIS 10K / ANSI #150
CONNECTION	Union socket ends, Screw ends
SIZE	15A ~ 100A (1/2" ~ 4")



공압식 플랜지식 PVC 볼 밸브

R ** - ** PF SERIES



• BRACKET MOUNTING TYPE
PVC BALL VALVE BODY (A-SUNG)



TYPE	PVC Flanged ball valve
MATERIAL	PVC / C-PVC / CLEAN PVC / PP / PVDF
RATING	KS / JIS 10K, ANSI #150
CONNECTION	Flange (FF)
SIZE	15A ~ 150A (1/2" ~ 6")



공압식 웨이퍼식 PVC 버터플라이 밸브
R** - ** PBF SERIES



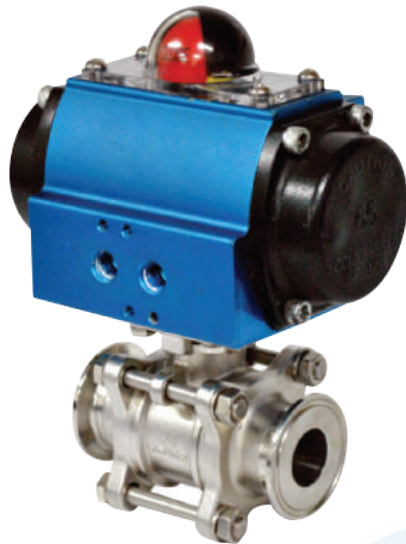
• DIRECT MOUNTING
PVC BUTTERFLY VALVE BODY

TYPE	PVC Butterfly valve
MATERIAL	PP / PVC / C-PVC / PVDF
RATING	KS / JIS 10K / ANSI #150
CONNECTION	Flange
SIZE	50A ~ 400A (2" ~ 16")



공압식 세니타리 밸브

R ** - ** S / SBF SERIES



• DIRECT MOUNTING
SANITARY
BALL VALVE BODY



• DIRECT MOUNTING
SANITARY
BUTTERFLY VALVE BODY

TYPE	Sanitary Ball / Butterfly valves
MATERIAL	SCS13 / SCS14 / SCS16 (CF8 / CF8M / CF6M)
RATING	KS / JIS 10K
CONNECTION	Sanitary clamp ends
SIZE	0.5S ~ 4.0S



How to order

• ITQ / GQ * Series (전동식 자동밸브)

EX)

ITQ 0240 - RPC - 200 PBF - AC220V

a b c d e f 전압 (Voltage)

AC110V : 1 Phase, 50/60Hz (ITQ0020 ~ ITQ1100)
AC220V : 1 Phase, 50/60Hz (ITQ0020 ~ ITQ9000)
AC380V : 3 Phase, 50/60Hz (ITQ0100 ~ ITQ9000)
AC400V : 3 Phase, 50/60Hz (ITQ0100 ~ ITQ9000)
DC24V : (ITQ0020 ~ ITQ0500)

e 밸브 형식 (Valve Type)

S1 : 1 피스 나사연결 볼밸브 바디 (1 Piece Screwed Ball Valve Body; Reducer Bore/Rating : 1,000Psi)
S3 : 3 피스 나사연결 볼밸브 바디 (3 Piece Screwed Ball Valve Body; Full Bore/Rating : 1,000Psi)
S3HP : 고압용 3 피스 나사연결 볼밸브 바디 (High Pressure / 3 Piece Screwed Ball Valve Body; Rating : 2,000Psi)
F : 2 피스 플랜지연결 볼밸브 바디 (Flanged Ball Valve Body; RF/Rating : KS/JIS 10K/20K, ANSI #150/300)
S3WL/T : 3 웨이 나사연결 볼밸브 바디 (3-Way Screwed Ball Valve; "L"/"T" Port/Rating : KS/JIS 10K/20K, ANSI #150/300)
F3WL/T : 3 웨이 플랜지연결 볼밸브 바디 (3-Way Flanged Ball Valve Body; "L"/"T" Port/Rating : KS/JIS 10K/20K, ANSI #150/300)
BF : 웨이퍼연결 버터플라이밸브 바디 (Butterfly Valve Body; Wafer - standard)
HBF : 웨이퍼연결 고온고압용 버터플라이밸브 (High Performance Butterfly Valve Body)
PU : 피브이씨 유니온연결 볼밸브 바디 (PVC Ball Valve Body; Union Socket Ends/Rating KS/JIS/ANSI)
PF : 피브이씨 플랜지연결 볼밸브 바디 (PVC Ball Valve Body; FF/Rating KS/JIS/ANSI)
PBF : 피브이씨 웨이퍼연결 버터플라이밸브 바디 (PVC Butterfly Valve Body; KS/JIS/ANSI)
SB/SBF : 위생배관 클램프연결 볼/버터플라이 밸브 바디 (Sanitary Ball/Butterfly Valve Body; Sanitary Clamp/Rating : 1,000Psi)
NW : 진공 클램프연결 볼밸브 바디 (Vacuum Ball Valve Body; NW Clamp/Rating : 1,000Psi)
LOK : 락타입연결 볼밸브 바디 (Lock Type Ball Valve Body; Lok Fitting/Rating : 2,000Psi)

d 밸브 배관 사이즈 (Valve Piping Size)

8 : 8 A (1/4")
10 : 10 A (3/8")
15 : 15 A (1/2")
20 : 20 A (3/4")
25 : 25 A (1")
32 : 32 A (1-1/4")
40 : 40 A (1-1/2")
50 : 50 A (2")
65 : 65 A (2-1/2")
80 : 80 A (3")
100 : 100 A (4")
125 : 125 A (5")
150 : 150 A (6")
200 : 200 A (8")
250 : 250 A (10")

c 공압식 액추에이터 내경 사이즈 (Pneumatic Actuator Bore Size)

EX : 방폭 (Explosion Proof: 방폭등급 Ex d IIB T4)
WT : 방수 (Watertight : IP68)
PK : Potentionmeter kit (Output signal : 0 ~ 1 kohm)
CT : Current transmitter (Output signal : 4 ~ 20 mA)
RPC : Remote position controller (By In/Output signal 4 ~ 20 mA DC or 0 ~ 10 V)
LP4 : 현장 조작, 상태표시, 리모트 콘트롤 (Local position controller & otor stater)
LM4 : LP4 기능 + 마그네트 내장 전압변환기 (LP4 + Reversing electric contactors, Transformer)
ICM1 : 전원 및 입출력 회로분리 (회로보호), Local / Remote manual, auto 제어
ICM2 : 전면 LCD 창 설정 및 확인

b 전동식 액추에이터 토크 값 (N.m)

1 Kg.m = 9.8 N.m
0020 : Rated torque 20 (2 kgf.m)
0040 : Rated torque 40 (4 kgf.m)
0080 : Rated torque 80 (8 kgf.m)
0100 : Rated torque 100 (10 kgf.m)
0160 : Rated torque 160 (16 kgf.m)
0240 : Rated torque 240 (24 kgf.m)
0350 : Rated torque 350 (35 kgf.m)
0500 : Rated torque 500 (50 kgf.m)
0800 : Rated torque 800 (80 kgf.m)
1100 : Rated torque 1100 (110 kgf.m)
2000 : Rated torque 2000 (200 kgf.m)
3000 : Rated torque 3000 (300 kgf.m)
6000 : Rated torque 6000 (600 kgf.m)
9000 : Rated torque 9000 (900 kgf.m)

a 전동식 액추에이터 (Electric Motor Actuator Type)

사용자의 요구로 특정 지정 회사의 제품 적용의 경우는 제조사의 형번을 표기함.
(G사의 경우 GQ**으로 표기); 기본 색상은 레드이며 옵션으로 블루 색상 대응 가능

ITQ**** : I-TORK사 전동 구동기 (Quarter Turn Motor Actuator)
GQ*** : GINICE사 전동 구동기 (Quarter Turn Motor Actuator)

전동식 1 피스 바디 볼 밸브

ITQ/GQ ** - ** S1 SERIES



• 1 PIECE
BALL VALVE BODY
(REDUCER BORE)

• LOCK FITTING TYPE
BALL VALVE BODY



TYPE	1 Piece Screwed ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M)
RATING	KS / JIS 10K / 1,000psi
CONNECTION	Thread (Screw ends) / Lok fitting
SIZE	8A ~ 50A (1/4" ~ 2")



전동식 3 피스 바디 볼 밸브
ITQ/GQ ** - ** S3 SERIES



• 3 PIECE
BALL VALVE BODY
(FULL BORE)



• EXTEND TYPE
3 PIECE
BALL VALVE BODY



• 3 PIECE
BALL VALVE BODY
INNER STRUCTURE

TYPE	3 Piece Screwed ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M)
RATING	KS / JIS 10K / 1,000psi
CONNECTION	Thread (Screw ends)
SIZE	8A ~ 80A (1/4" ~ 3")



전동식 나사식 3 웨이 볼 밸브

ITQ/GQ ** - ** S3W SERIES



• NW CLAMP
STANDARD TYPE
3 WAY
BALL VALVE BODY



• NW CLAMP
BOTTOM TYPE
3WAY
BALL VALVE BODY

TYPE	3 Way Screwed ball valve
MATERIAL	SCS13 / SCS14 (CF8 / CF8M)
RATING	KS / JIS 10K / 1,000psi
CONNECTION	Thread (Screw ends)
SIZE	8A ~ 50A (1/4" ~ 2")



전동식 플랜지 볼 밸브
ITQ/GQ ** - ** F SERIES



• BRACKET MOUNTING
FLANGE
BALL VALVE BODY



• TEFLON LINED
FLANGE
BALL VALVE BODY



• DIRECT MOUNTING
FLANGE
BALL VALVE BODY

TYPE	2 Way Flanged ball valve
MATERIAL	SCPH2 / SCS13 / SCS14 / SCS16 (WCB / CF8 / CF8M / CF3M)
RATING	KS 10K, 20K / ANSI #150, 300
CONNECTION	Flange (RF)
SIZE	15A ~ 250A (1/2" ~ 10")



전동식 플랜지식 PVC 볼 밸브

ITQ/GQ ** - ** PF SERIES



• BRACKET MOUNTING TYPE
PVC BALL VALVE BODY (A-SUNG)



TYPE	PVC Flanged ball valve
MATERIAL	PVC / C-PVC / CLEAN PVC / PP / PVDF
RATING	KS / JIS 10K / ANSI #150
CONNECTION	Flange (FF)
SIZE	15A ~ 200A (1/2" ~ 8")



전동식 유니온식 PVC 볼 밸브
ITQ/GQ ** - ** PU SERIES



• BRACKET MOUNTING TYPE
PVC BALL VALVE BODY



• BRACKET MOUNTING TYPE
PP BALL VALVE BODY
(GF)



• BRACKET MOUNTING TYPE
PVC BALL VALVE BODY
(HERSHEY)

TYPE	PVC Union ball valve
MATERIAL	PVC / C-PVC / CLEAN PVC / PP / PVDF
RATING	KS / JIS 10K / ANSI #150
CONNECTION	Union socket ends
SIZE	15A ~ 100A (1/2" ~ 4")



전동식 웨이퍼식 PVC 버터플라이 밸브

ITQ/GQ ** - ** PBF SERIES



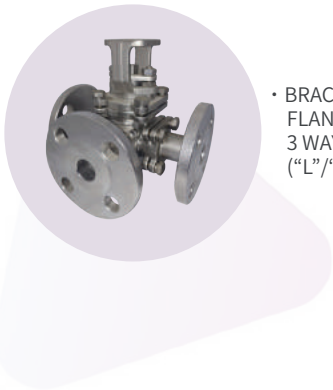
• DIRECT MOUNTING
PVC BUTTERFLY VALVE BODY



TYPE	PVC Butterfly valve
MATERIAL	PP / PVC / C-PVC / PVDF
RATING	KS / JIS 10K / ANSI #150
CONNECTION	Flange
SIZE	40A ~ 500A (1-1/4" ~ 20")

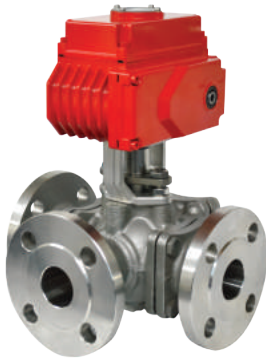


전동식 플랜지식 3 웨이 볼 밸브
ITQ/GQ ** - ** F3W SERIES



• BRACKET MOUNTING
FLANGE
3 WAY BALL VALVE BODY
("L"/"T" Port)

TYPE	3 Way Flanged ball valve
MATERIAL	SCS13 / SCS14 / SCS16 (CF8 / CF8M / CF3M)
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Flange (RF)
SIZE	15A ~ 250A (1/2" ~ 10")



전동식 버터플라이 밸브

ITQ/GQ ** - ** BF SERIES



• TEFLON LINED BODY
BUTTERFLY



• FCD BODY (standard)
BUTTERFLY



• STAINLESS BODY
BUTTERFLY

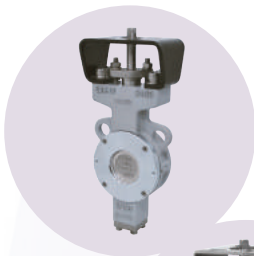


• ALUMINIUM BODY
BUTTERFLY

TYPE	Butterfly valve
MATERIAL	FC20 / FCD450 / SCS13 / SCS14 / AL
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Wafer / Flange / Lug
SIZE	25A ~ 600A (1" ~ 24")



전동식 하이퍼포먼스 버터플라이 밸브
ITQ/GQ ** - ** HBF SERIES



• FCD / WCB MATERIAL
HIGH PERFORMANCE
BUTTERFLY VALVE BODY



• STAINLESS MATERIAL
HIGH PERFORMANCE
BUTTERFLY VALVE BODY

TYPE	High performance Butterfly valve
MATERIAL	FCD450 / WCB / SCS13 / SCS14
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Wafer
SIZE	40A ~ 450A (1-1/2" ~ 18")



공압식 / 전동식 글로브 콘트롤 밸브

YCV** SERIES



TYPE	Pneumatic / Electric control valves
MATERIAL	SCPH2 / SCS13/ SCS14 (A216-WCB / A351-CF8 / CF8M)
RATING	KS / JIS 10K, 20K / ANSI #150, 300
CONNECTION	Flange (FF / RF), Wafer, Thread
SIZE	15A ~ 300A (1/2" ~ 12")



Pneumatic Tank Bottom Ball Valve



TYPE	Tank Bottom Ball Valve
MATERIAL	SCS13 / SCS14
RATING	KS / JIS 10K
CONNECTION	Flange (RF)
SIZE	25A ~ 150A (1" ~ 6")

Pneumatic Tank Flush Valve



TYPE	Tank Bottom Flush Valve
MATERIAL	SCS13 / SCS14 / SCS16
RATING	KS / JIS 10K
CONNECTION	Flange (RF)
SIZE	1 × 1-½" ~ 10 × 12"

Pneumatic Knife Valve



TYPE	Knife Gate Valve
MATERIAL	SCS13 / SCS14 / SCS16
RATING	KS / JIS 10K
CONNECTION	Lug Type
SIZE	50A ~ 600A (2" ~ 24")

Electric / Pneumatic Auto Damper



Special Auto Valve



Pneumatic Control Valve



