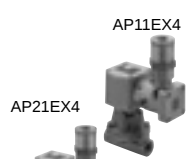
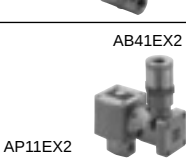
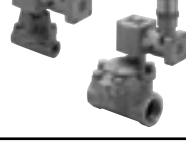


Series variation

Explosion-proof multi-fluid direct acting/ pilot operated 2, 3-port solenoid valve (Explosion-proof general purpose valve)

Explosion proof structure	No. of Ports	Model		Structure	Actuation category	Working fluid						
						Air	Low vacuum	Water	Kerosene	Oil (50 mm ² /s or less)	Steam	
Ex d IIB T4	2-port			AB41EX4	Direct acting	NC (open when energized)	●	●	●	●	●	
				AG41EX4	Direct acting	Universal	●	●	●	●	●	
	3-port			AG43EX4		NC pressurization	●	●	●	●	●	
				AG44EX4		NO pressurization	●	●	●	●	●	
	2-port			AP11EX4	Pilot operated piston drive	NC (open when energized)	●		●	●	●	
				AP21EX4		NC (open when energized)	●		●	●	●	
				AD11EX4	Pilot operated diaphragm drive	NC (open when energized)	●		●	●	●	
				AD21EX4		NC (open when energized)	●		●	●	●	
				ADK11EX4	Pilot kick diaphragm drive	NC (open when energized)	●	●	●	●	●	
				AB41EX2	Direct acting	NC (open when energized)	●		●	●	●	●
	2-port			AP11EX2	Pilot operated piston drive	NC (open when energized)	●		●	●	●	●
				AP21EX2		NC (open when energized)	●		●	●	●	●
				AP21EX2		NC (open when energized)	●		●	●	●	●

● Explosion-proof performance

Explo-proof structure	Japan certification (TIIS) *1	Korea certification (KOSHA) *1	Test model	Voltage	No. of Ports	Coil insulation class	Ambient temperature	Fluid temperature	Applicable solenoid valve
Ex d IIB T4	No. TC20594	16-AV4BO-0150X	EH21-G	AC	2	180(H)	-10 to +50°C	-10 to +60°C	● Direct acting (AB41EX4 Series) ● Pilot operated Piston drive (AP11EX4/AP21EX4 Series) ● Diaphragm drive (AD11EX4/AD21EX4 Series)
	No. TC20618	16-AV4BO-0147X	EB21-G	DC Diode integrated AC		130(B)			
	No. TC20593	16-AV4BO-0153X	EH31-G	AC	3	180(H)			● Direct acting (AG41EX4 Series) ● Direct acting (AG43EX4 Series) ● Direct acting (AG44EX4 Series)
	No. TC20617	16-AV4BO-0149X	EB31-G	DC Diode integrated AC		130(B)			
	No. TC20592	16-AV4BO-0152X	EH23-G	AC	2	180(H)			● Pilot kick diaphragm drive (ADK11EX4 Series)
	No. TC20616	16-AV4BO-0148X	EB23-G	DC Diode integrated AC		130(B)			
Ex d IIB T2	No. TC20614	16-AV4BO-0151X	EH21-G	AC	2	180(H)	-10 to +40°C	+5 to +170°C	● Direct acting (AB41EX2 Series) ● Pilot operated piston drive (AP11EX2/AP21EX2 Series)

*1 With regard to certification, the model codes of organizations for explosive-proof certification indicate certification in either Japan or Korea.

	Port size											Page
	Rc1/4	Rc3/8	Rc1/2	Rc3/4	Rc1	Rc1 ^{1/4}	32 Flange	Rc1 ^{1/2}	40 Flange	Rc2	50 Flange	
	●	●										374
	●	●										378
	●	●										
	●	●										
			●	●	●							382
						●	●	●	●	●	●	386
			●	●	●							392
						●	●	●	●	●	●	396
			●	●	●							402
	●	●										406
			●	●	●							410
						●	●	●	●	●	●	414

EXA
FWD
HNB/G
USB/G
FAB/G
FGB/G
FVB
FWB/G
FHB
FLB
AB
AG
AP/ AD
APK/ ADK
DryAir
EX- XPLNprf
XPLNprf
HVB/ HVL
S [◇] B/ NAB
LAD/ NAD
Water- Rela
NP/NAP/ NVP
SNP
CHB/G
MXB/G
Other valves
SWD/ MWD
DustColl
CVE/ CVSE
CCH/ CPE/D
LifeSci
Gas- Combus
Auto- Water
Outdoor
SpecFld
Custom
Ending