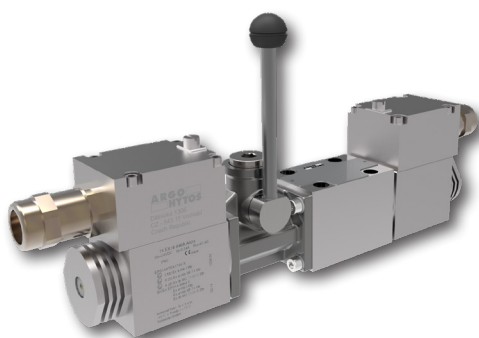


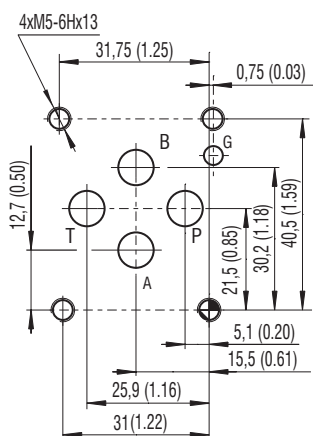
Explosion proof, directional control valve, solenoid operated, with lever override

RPERX3-06

Size 06 (D03) • Q_{max} 60 l/min (16 GPM) • p_{max} 350 bar (5100 PSI)



ISO 4401-03-02-0-05



Ports P, A, B, T - max. Ø7.5 mm (0.29 in)

Technical Features

- › Valve and solenoid design prevents a surface temperature capable of igniting
- › Solenoid coil in acc. with directive 2014/34/EU (ATEX) for explosion-hazard zones
- › Explosion protection for gas, dust and mining, Solutions for all zones
- › Encapsulation enclosure solenoid version
- › Auxiliary lever overrides for ON-OFF solenoid valves of the type RPEX3-06 (Datasheet No. 4054) with Size 06 and mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- › Auxiliary lever operators allow the valve to be operated when electrical system is de-energized, e.g. emergency operation, electrical failures, maintenance activities
- › Manual lever and actuation element can be rotated in 90° increments for flexible installation
- › When the valve is electrically operated the hand lever remains stopped in its neutral position
- › The lever override does not affect the performances of the base valve
- › Coil interchangeability with all Argo-Hytos ATEX/IECEx product line
- › In the standard version, the valve is zinc coated for 520 h protection acc. to ISO 9227

Technical Data

Max. flow	l/min (GPM)	60 (15.9)
Max. operating pressure at ports P, A, B	bar (PSI)	350 (5080)
Max. operating pressure at port T	bar (PSI)	100 (1450)
Lever characteristics		
Total stroke angle	deg	±20
Working stroke angle		±12 to 20
Lever override length	mm (in)	102 (4.01)
Operating force	N (lbf)	40 (29.5)
Lever device weight		0.59 (1.30)
Weigh including the lever	valve with 1 solenoid	3.11 (6.86)
	valve with 2 solenoids	4.56 (10.05)
Next technical data of the valve see Datasheet HA 4026, RPER3-06.		

Characteristics

For operating limits and pressure drop see Datasheet HA 4054, RPEX3-06.

Ordering Code

RPERX3-06 [] [] / [] [] [] [] / [] - B []

Explosion proof, directional control valve, solenoid operated, with lever override

Valve size

Number of spool positions

two positions **2**
three positions **3**

Spool symbols

see Datasheet HA 4054 RPEX3-06 the table „Spool Symbols“

Rated supply voltage of solenoids

DC voltage

connection box + cable gland

12 V DC / 0.75 A
24 V DC / 0.39 A
48 V DC / 0.19 A
110 V DC / 0.094 A

AC voltage 50/60 Hz

fix installed cable
110 V AC / 0.112 A
230 V AC / 0.052 A

01200
02400
04800
11000

11050
23050

Certifications of valve
No designation ATEX, IECEx
A IECEx for Australia and New Zealand
E EAC for EAEU* States

Surface treatment
520 h salt spray test (ISO 9227)

Manual lever and position of override actuating section**
A19 standard, lever on side A, upward
B19 standard, lever on side B, upward

Seals
No designation NBR

Cable length
No designation (only for DC) without cable
3 (AC and DC version) 3 m
8 (AC and DC version) 8 m

Temperature class - solenoid nominal input power
A4 Class T4 - 10 W
A6 Class T6 (T5) - 10 W

For directional valves with two solenoids, one solenoid must be de-energized before the other solenoid can be charged.

*EAEU= Eurasian Economic Union, certificate according to TR TS 012/2011 valid for the Russian Federation, Belarus, Armenia, Kazakhstan and Kyrgyzstan.
**For valves with one solenoid: the lever is placed always between valve housing and solenoid.

Spool Symbols

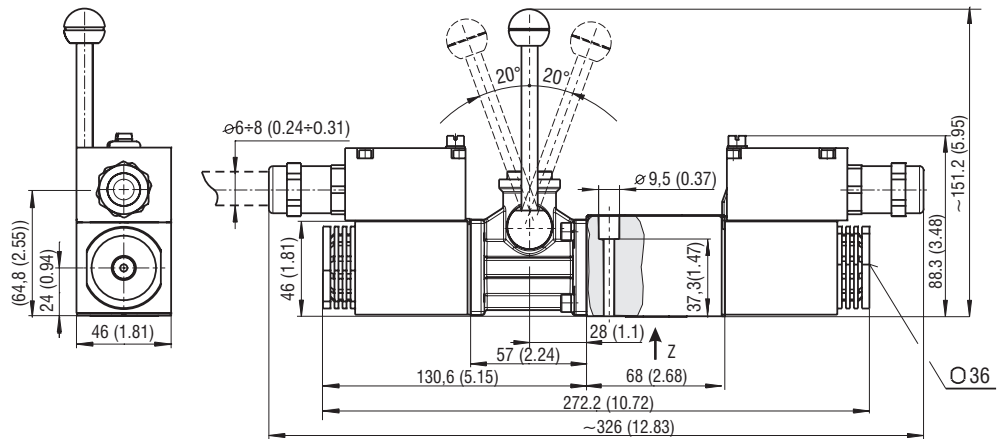
Type	Symbol	Interposition	Type	Symbol	Interposition
Z11			R11		
C11			H51		
H11					
Y11					

Dimensions in millimeters (inches)

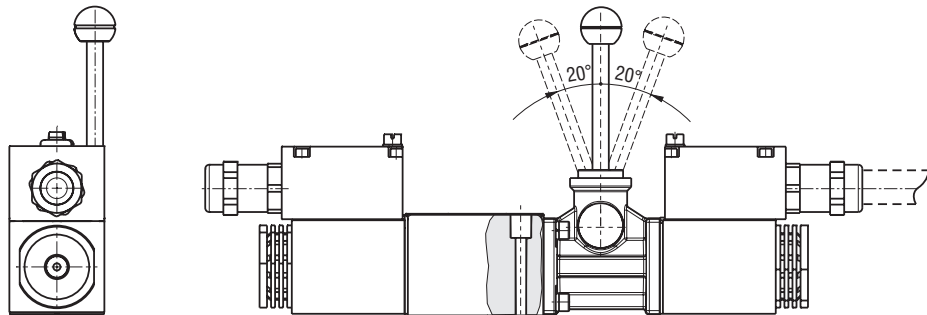


The lever operator should never be used when any solenoid is energized.

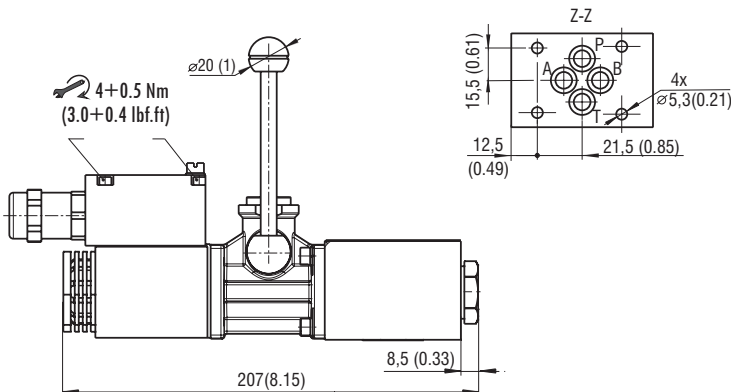
RPERX3-063*/A19



RPERX3-063*/B19



RPERX3-062*/A19



Mounting screws $8.9+1$ Nm (6.56+0.7 lbf.ft)
M5x45 DIN 912-10.9

Manual lever and actuating section is shown in the standard supplied position which is the most frequently used. Both elements can be rotated to various positions 90° apart. For other positions of lever and actuating section consult our technical department for their identification.