

INDUSTRIAL HOSES - technical gas

Fittings for high pressure gas hoses

High pressure gas hoses can be used with many types of fittings in different shapes. Most of those fittings are adjusted to be connected to the valves of gas cylinders. The types of couplings of gas cylinder valves are listed in PN-81/M-69229 and DIN477-1. The standards specify the types of couplings (sizes, threads) and indicate the application with the particular type of gas. The size and shape of a tail end fitting depends on the size and type of the hose (rubber hydraulic, thermoplastic, PTFE, steel, SPIR STAR®). Material of the fittings must be resistant to the corrosive effect of gases, while some other materials must not be used (e.g. copper and copper alloys for acetylene and ammonia). Usually a fitting made of AISI 304 stainless steel with a brass nut are applicable. Other types of couplings according to the customer's specification or standards are also available e.g. elbows, but also those made of other materials e.g. zinc plated carbon steel, AISI 316 stainless steel.

TI-ZBW170 TI-ZWW170		AF-TLBW170 AF-TLWW170		TB-SBW170 TB-SWW170	
code					type of the hose
DN6 (1/4")	DN8 (5/16")	DN10 (3/8)	DN12 (1/2)		
Fitting with G-3/4 (3/4" BSP) female thread, connection according to PN-81/M-69229 (DIN477-1 no 9) material: fitting - AISI 304, nut - bra-SS; application: oxygen, carbogen.					
TI-ZBW170-12-04-SS-MO	TI-ZBW170-12-05-SS-MO	TI-ZBW170-12-06-SS-MO	TI-ZBW170-12-08-SS-MO	thermoplastic rubber hydraulic	
AF-TLBW170-12-04-SS-MO	AF-TLBW170-12-05-SS-MO	AF-TLBW170-12-06-SS-MO	-	PTFE HPG	
TB-SBW170-12-04-SS-MO	-	TB-SBW170-12-06-SS-MO	TB-SBW170-12-08-SS-MO	steel	
Fitting with Whitworth W21.8 x 1/14" female thread, connection according to PN-81/M-69229 (DIN477-1 no 6) material: fitting - AISI 304, nut - bra-SS; application: ammonia, argon, carbon dioxide, helium and more.					
TI-ZWW170-21-04-SS-MO	TI-ZWW170-21-05-SS-MO	TI-ZWW170-21-06-SS-MO	TI-ZWW170-21-08-SS-MO	thermoplastic rubber hydraulic	
AF-TLWW170-21-04-SS-MO	AF-TLWW170-21-05-SS-MO	AF-TLWW170-21-06-SS-MO	-	PTFE HPG	
TB-SWW170-21-04-SS-MO	-	TB-SWW170-21-06-SS-MO	TB-SWW170-21-08-SS-MO	steel	
Fitting with Whitworth W21.8 x 1/14" L (LEFT) female thread, connection according to PN-81/M-69229 (DIN477-1 no 1) material: fitting - AISI 304, nut - bra-SS; application: hydrogen, methane, other flammable gases.					
TI-ZWW170-21L-04-SS-MO	TI-ZWW170-21L-05-SS-MO	TI-ZWW170-21L-06-SS-MO	TI-ZWW170-21L-08-SS-MO	thermoplastic rubber hydraulic	
AF-TLWW170-21L-04-SS-MO	AF-TLWW170-21L-05-SS-MO	AF-TLWW170-21L-06-SS-MO	-	PTFE HPG	
TB-SWW170-21L-04-SS-MO	-	TB-SWW170-21L-06-SS-MO	TB-SWW170-21L-08-SS-MO	steel	
Fitting with Whitworth W24.32 x 1/14" female thread, connection according to PN-81/M-69229 (DIN477-1 no 10) material: fitting - AISI 304, nut - bra-SS; application - nitrogen.					
TI-ZWW170-24-04-SS-MO	TI-ZWW170-24-05-SS-MO	TI-ZWW170-24-06-SS-MO	TI-ZWW170-24-08-SS-MO	thermoplastic rubber hydraulic	
AF-TLWW170-24-04-SS-MO	AF-TLWW170-24-05-SS-MO	AF-TLWW170-24-06-SS-MO	-	PTFE HPG	
TB-SWW170-24-04-SS-MO	-	TB-SWW170-24-06-SS-MO	TB-SWW170-24-08-SS-MO	steel	