

Apollo Wireline Valves



TIS Apollo compact wireline valves are specifically designed to meet the arduous conditions often encountered in the North Sea, giving the operator maximum reliability, flexibility and simplicity of use, while carrying out routine intervention work. The innovative, unique valve configuration results in a truly compact design, making them especially suited for offshore operations, where the valve has to be lowered onto the Xmas tree through a restricted hatch space on the skid deck.

The TIS Apollo wireline valve range is available with the following options

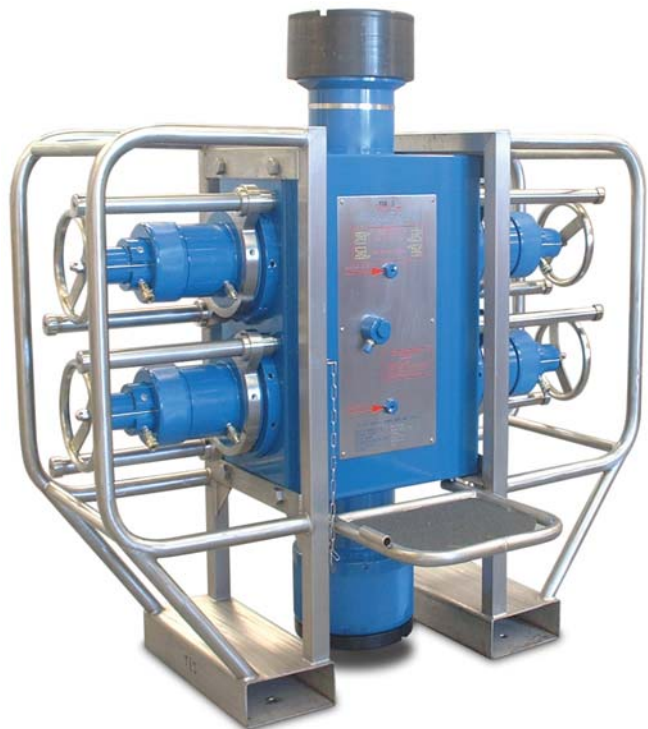
- 3.00" ID to 9.00" ID Through bores.
- Single, dual, triple and quadruple ram configurations.
- Standard or sour service.
- Manual or remote hydraulic operation.
- 5,000 Psi, 10,000 Psi and 15,000 Psi, working pressures.
- Service temperature range of -29 to +121 Degrees C.
- Choice of quick union or API flanged connections.

Apollo ram assemblies are available dressed with the following options

- Slick line.
- Braided line.
- Wire / cable shear & seal.

Technical features include

- Operator friendly design, no tools required for redress.
- Compact mono-block forged bodies.
- Weld repairable valve bodies.
- Keyless ram bores.
- Compact short hydraulic cylinders.
- Orientation key design, allows complete flexibility to arrange ram configuration as required, including inverting rams for braided line operations.
- External ram position indicators.
- Non rising manual stems.
- Stainless steel one-piece pistons.
- Stainless steel ram support rods.
- Large cross-section ram seals.
- Inner seal retaining bars.
- Replaceable cartridge type equaliser valves.
- Grease injection ports with integral check valves.
- Special TIS swivel union on grease injection port, allows the operator to place the hose neatly to the best operating position.
- Stainless steel protection frames with stabbing platform & integral forklift pockets (optional).



Dual Apollo Wireline Valve with Protection Frame



Dual Apollo Wireline Valve Without Protection Frame

Apollo Wireline Valves



There are 4 Steps involved in the ordering of Wireline Valves :

Example

5,000psi 3.00" Dual Apollo Wireline Valve with Rams dressed for 3/16" Wire, 5" 4Thd 'O' Type Quick Union set and Protection frame

Step 1

Wireline Valve Body Sub Assembly

Thro' Bore	Working Pressure	Type	Part Number	Redress Kit
3.00"	5,000 psi	Single	0002-00016-TIS	0002-00016-KIT
3.00"	5,000 psi	Dual	0002-00017-TIS	0002-00017-KIT
3.00"	5,000 psi	Triple	0002-00018-TIS	0002-00018-KIT
3.00"	5,000 psi	Quad	0002-00028-TIS	0002-00028-KIT
3.00"	10,000 psi	Single	0002-00009-TIS	0002-00009-KIT
3.00"	10,000 psi	Dual	0002-00008-TIS	0002-00008-KIT
3.00"	10,000 psi	Triple	0002-00015-TIS	0002-00015-KIT
3.00"	10,000 psi	Quad	0002-00029-TIS	0002-00029-KIT
4.00"	5,000 psi	Single	0003-00009-TIS	0003-00009-KIT
4.00"	5,000 psi	Dual	0003-00010-TIS	0003-00010-KIT
4.00"	5,000 psi	Triple	0003-00011-TIS	0003-00011-KIT
4.00"	5,000 psi	Quad	0003-00026-TIS	0003-00026-KIT
4.00"	10,000 psi	Single	0003-00005-TIS	0003-00005-KIT
4.00"	10,000 psi	Dual	0003-00003-TIS	0003-00003-KIT
4.00"	10,000 psi	Triple	0003-00008-TIS	0003-00008-KIT
4.00"	10,000 psi	Quad	0003-00027-TIS	0003-00027-KIT
5-1/8"	5,000 psi	Single	0004-00019-TIS	0004-00019-KIT
5-1/8"	5,000 psi	Dual	0004-00020-TIS	0004-00020-KIT
5-1/8"	5,000 psi	Triple	0004-00021-TIS	0004-00021-KIT
5-1/8"	5,000 psi	Quad	0004-00028-TIS	0004-00028-KIT
5-1/8"	10,000 psi	Single	0004-00014-TIS	0004-00014-KIT
5-1/8"	10,000 psi	Dual	0004-00017-TIS	0004-00017-KIT
5-1/8"	10,000 psi	Triple	0004-00018-TIS	0004-00018-KIT
5-1/8"	10,000 psi	Quad	0004-00026-TIS	0004-00026-KIT
6-5/8"	5,000 psi	Single	0009-00007-TIS	0009-00007-KIT
6-5/8"	5,000 psi	Dual	0009-00008-TIS	0009-00008-KIT
6-5/8"	5,000 psi	Triple	0009-00012-TIS	0009-00012-KIT
6-5/8"	5,000 psi	Quad	0009-00020-TIS	0009-00020-KIT
6-5/8"	10,000 psi	Single	0009-00009-TIS	0009-00009-KIT
6-5/8"	10,000 psi	Dual	0009-00001-TIS	0009-00001-KIT
6-5/8"	10,000 psi	Triple	0009-00011-TIS	0009-00011-KIT
6-5/8"	10,000 psi	Quad	0009-00021-TIS	0009-00021-KIT

Step 3

Quick Union Set Sub Assembly

Thro' Bore	Working Pressure	Quick Union	Part Number
3.00"	5,000 psi	5-1/2"-4x2' B' Type	0059-00001-TIS
3.00"	5,000 psi	5"-4Thd 'O' Type	0045-00002-TIS
3.00"	10,000 psi	6-5/16"-4Thd 'B' Type	0061-00004-TIS
3.00"	10,000 psi	5-3/4"-4Thd 'O' Type	0046-00019-TIS
4.00"	5,000 psi	7"-5Thd 'B' Type	0063-00001-TIS
4.00"	5,000 psi	6-1/2"-4Thd 'O' Type	0047-00009-TIS
4.00"	10,000 psi	8-1/4"-4x2' B' Type (10k)	0065-00001-TIS
4.00"	10,000 psi	8-3/8"-4Thd 'O' Type	0053-00001-TIS
5-1/8"	5,000 psi	8-1/4"-4x2' B' Type (5k)	0064-00001-TIS
5-1/8"	5,000 psi	8-1/4"-4Thd 'O' Type	0052-00001-TIS
5-1/8"	10,000 psi	8-7/8"-4x2' B' Type	0078-00002-TIS
5-1/8"	10,000 psi	9"-4Thd 'O' Type	0054-00014-TIS
6-5/8"	5,000 psi	9-7/8"-4x2' B' Type	0066-00002-TIS
6-5/8"	5,000 psi	9-1/2"-4Thd 'O' Type	0055-00004-TIS
6-5/8"	10,000 psi	13"-4Thd 'B' Type	0067-00002-TIS
6-5/8"	10,000 psi	11-1/2"-4Thd 'O' Type	0056-00002-TIS

Body	0002-00017-TIS	Step 1
Rams	0002-00019-TIS	Step 2
Quick Union Set	0045-00002-TIS	Step 3
Protection Frame	TR-A-1007	Step 4

Step 2

Wireline Ram Sub Assembly

Thro' Bore	Working Pressure	Dressed For ...	Part Number	Redress Kit
3.00"	10,000 psi	0.125"	0002-00007-TIS	0002-00007-KIT
3.00"	10,000 psi	3/16"	0002-00019-TIS	0002-00019-KIT
3.00"	10,000 psi	7/32"	0002-00020-TIS	0002-00020-KIT
3.00"	10,000 psi	1/4"	0002-00006-TIS	0002-00006-KIT
3.00"	10,000 psi	5/16"	0002-00021-TIS	0002-00021-KIT
3.00"	10,000 psi	15/32"	0002-00022-TIS	0002-00022-KIT
3.00"	10,000 psi	Shear/Seal	0002-00012-TIS	0002-00012-KIT
4.00"	10,000 psi	0.125"	0003-00002-TIS	0003-00002-KIT
4.00"	10,000 psi	3/16"	0003-00012-TIS	0003-00012-KIT
4.00"	10,000 psi	7/32"	0003-00013-TIS	0003-00013-KIT
4.00"	10,000 psi	1/4"	0003-00014-TIS	0003-00014-KIT
4.00"	10,000 psi	5/16"	0003-00015-TIS	0003-00015-KIT
4.00"	10,000 psi	15/32"	0003-00016-TIS	0003-00016-KIT
4.00"	10,000 psi	Shear/Seal	0003-00004-TIS	0003-00004-KIT
5-1/8"	10,000 psi	0.125"	0004-00013-TIS	0004-00013-KIT
5-1/8"	10,000 psi	3/16"	0004-00023-TIS	0004-00023-KIT
5-1/8"	10,000 psi	7/32"	0004-00016-TIS	0004-00016-KIT
5-1/8"	10,000 psi	1/4"	0004-00022-TIS	0004-00022-KIT
5-1/8"	10,000 psi	5/16"	0004-00024-TIS	0004-00024-KIT
5-1/8"	10,000 psi	15/32"	0004-00025-TIS	0004-00025-KIT
5-1/8"	10,000 psi	Shear/Seal	0004-00015-TIS	0004-00015-KIT
6-5/8"	10,000 psi	0.125"	0009-00004-TIS	0009-00004-KIT
6-5/8"	10,000 psi	3/16"	0009-00013-TIS	0009-00013-KIT
6-5/8"	10,000 psi	7/32"	0009-00014-TIS	0009-00014-KIT
6-5/8"	10,000 psi	1/4"	0009-00015-TIS	0009-00015-KIT
6-5/8"	10,000 psi	5/16"	0009-00016-TIS	0009-00016-KIT
6-5/8"	10,000 psi	15/32"	0009-00017-TIS	0009-00017-KIT
6-5/8"	10,000 psi	Shear/Seal	0009-00006-TIS	0009-00006-KIT

Step 4

Protection Frame

Thro' Bore	Valve Type	Part Number
3.00"	Single	TR-A-1013
3.00"	Dual	TR-A-1007
3.00"	Triple	TR-A-1014
3.00"	Quad	TR-A-1020
4.00"	Single	TR-A-1010
4.00"	Dual	TR-A-1003
4.00"	Triple	TR-A-1015
4.00"	Quad	TR-A-1021
5-1/8"	Single	TR-A-1005
5-1/8"	Dual	TR-A-1004
5-1/8"	Triple	TR-A-1016
5-1/8"	Quad	TR-A-1022
6-5/8"	Single	TR-A-1018
6-5/8"	Dual	TR-A-1012
6-5/8"	Triple	TR-A-1017
6-5/8"	Quad	TR-A-1023



Single Apollo Wireline Valve