

MAIN APPLICATIONS



Agriculture

Oil & Gas

Industrial

High Pressure

Cooling

Refrigeration

Earth Moving

Transportation

Hydraulic tools

Chemical food industry

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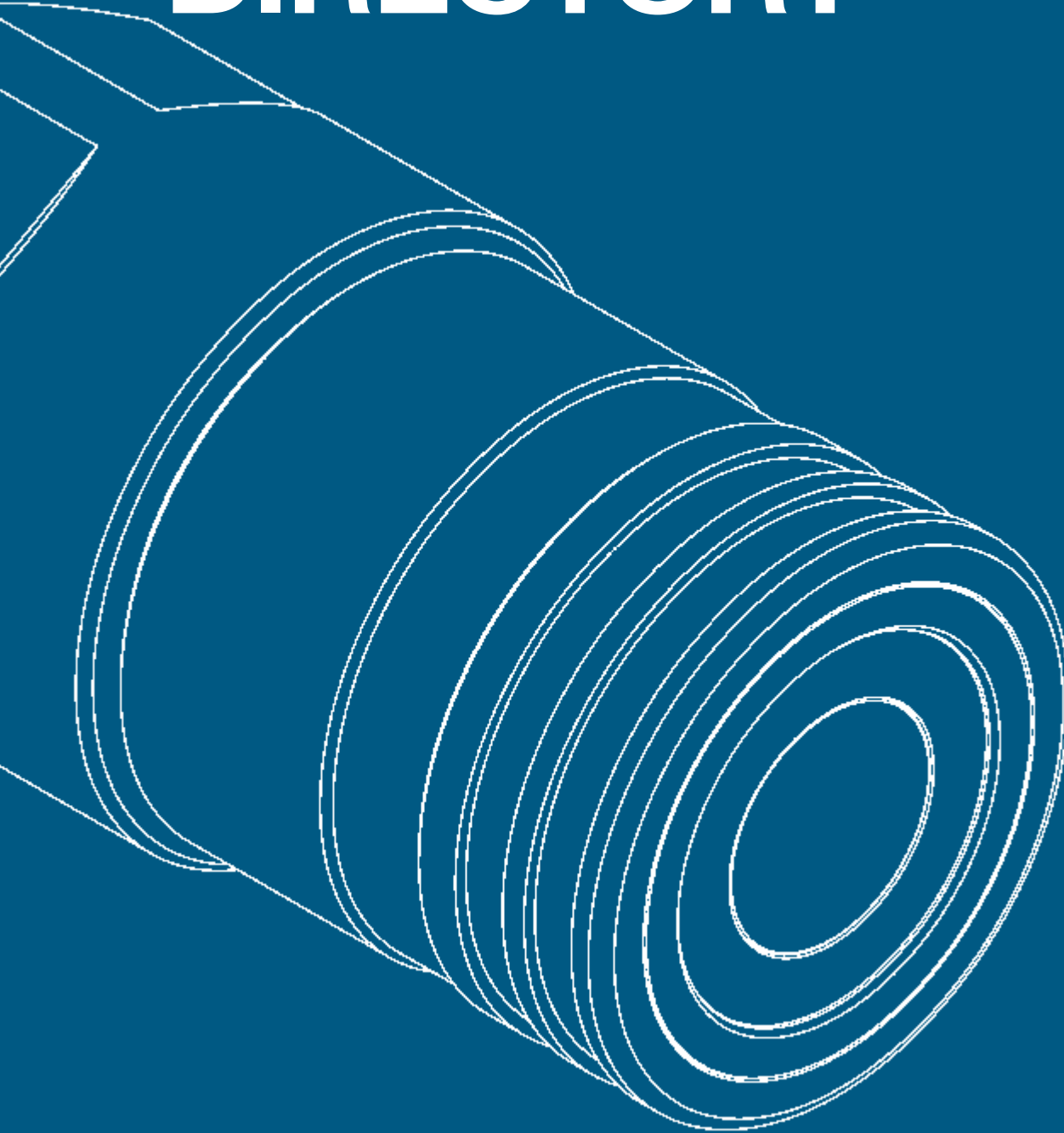
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PRODUCTS

DIRECTORY



a constant flow of solutions



**A CONSTANT
 FLOW
 OF SOLUTIONS**

Stucchi is a recognized global leader in the design and manufacturing of quick coupling products for hydraulic sector. Stucchi products line is available in over 3500 different configurations offering options for different materials, surface treatments, threads, dimensions from 1/8" to 2", tested up to 1 million impulses and for pressures up to 70 mpa (700 bars) for a wide range of outdoor and indoor applications.

Stucchi, with more than 50 years of experience, thanks to significant investments and innovative capacities makes the companies of the group a reality that exceed in excellence of design and realization of product. Stucchi solutions help saving time during operations and insure the good condition of the machinery in the long run.

ISO16028
FIRG SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 1/4" to 2"**
 Operating pressure: **Up to 300 bar**
 Flow rate: **Up to 1000 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

A SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 1/8" to 1-1/2"**
 Configuration: **Modular construction**
 Operating pressure: **Up to 420 bar**
 Flow rate: **Up to 750 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

FIRG-Q SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 1/4" to 2"**
 Operating pressure: **Up to 300 bar**
 Flow rate: **Up to 1000 L/Min**
 Material: **Internal parts in stainless steel**
 Connection system: **Push**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

FL SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 1/8" to 2"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 1000 L/Min**
 Material: **Stainless steel (AISI 316)**
 Connection system: **Push**
 Connection under pressure: **Not allowed**
 Typical use: **Indoor & Outdoor**

AX SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 1/4" to 1"**
 Configuration: **Modular construction**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **Stainless steel (AISI 316)**
 Connection system: **Push**
 Connection under pressure: **Not allowed**
 Typical use: **Indoor & Outdoor**

APM SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 3/8" to 1-1/2"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 750 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push**
 Connection under pressure: **Male side, other side to drain**
 Typical use: **Outdoor**

A-HD SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 - NFPA T3.20.15 - HTMA (size 3/8")**
 Available sizes: **From 3/8" to 1/2"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 90 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push**
 Connection under pressure: **Female side, other side to drain**
 Typical use: **Outdoor**

SATURN SERIES


Valving style: **Flat face**
 Interchange: **ISO 16028 (for the couplings)**
 Available sizes: **From 1/2" to 3/4"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push**
 Connection under pressure: **One side+disconnection allowed**
 Typical use: **Outdoor**

STUCCHI SOLUTIONS
VEP-P SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 1/4" to 2"**
 Operating pressure: **Up to 600 bar**
 Flow rate: **Up to 1000 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **Both side, easy connection + disconnection allowed**
 Typical use: **Outdoor**

VEP-HD SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 3/4" to 1-1/2"**
 Operating pressure: **Up to 500 bar**
 Flow rate: **Up to 750 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **Both side, easy connection + disconnection allowed**
 Typical use: **Outdoor (Heavy duty)**

VP-P SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 1/4" to 1-1/2"**
 Operating pressure: **Up to 600 bar**
 Flow rate: **Up to 750 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **Both side, easy connection + disconnection allowed**
 Typical use: **Outdoor**

HIGH PRESSURE
A-HP SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 1/8" to 3/8"**
 Operating pressure: **Up to 720 bar**
 Flow rate: **Up to 46 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

MULTICOUPLINGS
DP SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 3/8" to 3/4"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **Aluminium & high strength carbon steel**
 Connection system: **Lever**
 Connection under pressure: **Both side, easy connection**
 Typical use: **Outdoor**

GR SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 3/8" to 1"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **Brass & high strength carbon steel**
 Connection system: **Lever**
 Connection under pressure: **Both side, easy connection**
 Typical use: **Outdoor**

GRE SERIES


Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 3/8" to 1/2"**
 Operating pressure: **Up to 10 bar**
 Flow rate: **Up to 90 L/Min**
 Material: **Aluminium & brass**
 Connection system: **Lever**
 Typical use: **Indoor**

IV-HP SERIES


Valving style: **Ball**
 Interchange: **Similar Couplings (High Pressure)**
 Available sizes: **From 1/4" to 3/8"**
 Operating pressure: **Up to 700 bar**
 Flow rate: **Up to 23 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

ISO B
IRB SERIES


Valving style: **Poppet**
 Interchange: **ISO 7241-1 B**
 Available sizes: **From 1/8" to 1"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Single acting sleeve**
 Connection under pressure: **Not allowed**
 Typical use: **Indoor & Outdoor**

IRBX SERIES


Valving style: **Poppet**
 Interchange: **ISO 7241-1 B**
 Available sizes: **From 1/8" to 1"**
 Operating pressure: **Up to 250 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **Stainless steel**
 Connection system: **Single acting sleeve**
 Connection under pressure: **Not allowed**
 Typical use: **Indoor & Outdoor**

IRBO SERIES


Valving style: **Poppet**
 Interchange: **ISO 7241-1 B**
 Available sizes: **From 1/8" to 1"**
 Operating pressure: **Up to 200 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **Brass**
 Connection system: **Single acting sleeve**
 Connection under pressure: **Not allowed**
 Typical use: **Indoor**

CHECK VALVES
VUZ SERIES


Valving style: **Check valves**
 Interchange: **From 1/8" to 2"**
 Standard cracking pressure: **Up to 4,5 bar**
 Flow rate: **Up to 1000 L/Min**
 Material: **High strength carbon steel**
 Typical use: **Outdoor**

ISO A
BIR SERIES


Valving style: **Poppet**
 Interchange: **ISO 7241-1 A**
 Available sizes: **From 1/4" to 2"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 1000 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Single acting sleeve**
 Connection under pressure: **One side with PC version**
 Typical use: **Outdoor**

I/IP SERIES


Valving style: **Poppet (Breakaway system)**
 Interchange: **ISO 7241-1 A**
 Available sizes: **From 1/4" to 1"**
 Configuration: **Modular construction**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Push-pull**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

IR/IR-V SERIES


Valving style: **Ball/Poppet**
 Interchange: **Similar couplings + IR V + ISO 7241-1 "A" size 1/2" only**
 Available sizes: **From 1/4" to 1"**
 Operating pressure: **Up to 300 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Single active sleeve**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**

SAE J639
ACR-ACB SERIES


Valving style: **Poppet**
 Interchange: **SAE J639**
 Available sizes: **1/4"**
 Operating pressure: **Up to 10 bar**
 Material: **Brass**
 Connection system: **Push - screw**
 Connection under pressure: **Not allowed**
 Typical use: **Indoor**

OTHER INTERCHANGES
VD SERIES


Valving style: **Poppet**
 Interchange: **ISO14541**
 Available sizes: **From 1/4" to 1-1/4"**
 Operating pressure: **Up to 450 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **One side**
 Typical use: **Outdoor**

VR SERIES


Valving style: **Flat face limited spill**
 Interchange: **Similar Couplings (Rohrleitung)**
 Available sizes: **From 3/4" to 1-1/4"**
 Operating pressure: **Up to 420 bar**
 Flow rate: **Up to 576 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **One side**
 Typical use: **Outdoor**

IRC SERIES


Valving style: **Poppet**
 Interchange: **similar couplings (Nordic interface)**
 Available sizes: **From 1/4" to 1"**
 Operating pressure: **Up to 600 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Single active sleeve**
 Connection under pressure: **One side with PC version**
 Typical use: **Outdoor**

VLS SERIES


Valving style: **Poppet**
 Interchange: **Similar Couplings**
 Available sizes: **From 1/2" to 1"**
 Operating pressure: **Up to 465 bar**
 Flow rate: **Up to 200 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **One side**
 Typical use: **Outdoor**

VOF SERIES


Valving style: **Poppet**
 Interchange: **Similar Couplings (Oil & Gas)**
 Available sizes: **From 3/4" to 2"**
 Operating pressure: **Up to 345 bar**
 Flow rate: **Up to 1100 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Screw**
 Connection under pressure: **One side**
 Typical use: **Outdoor**

IFR SERIES


Valving style: **Flat face**
 Interchange: **ISO 5676**
 Available sizes: **3/8"**
 Operating pressure: **Up to 150 bar**
 Flow rate: **Up to 23 L/Min**
 Material: **High strength carbon steel**
 Connection system: **Single active sleeve**
 Connection under pressure: **Not allowed**
 Typical use: **Outdoor**



Easy connection is the Stucchi solution for manual connection with residual pressure in the circuit. The male couplings have a triple valve system: double internal pressure release valve and a flat face valve. This system easily allows connection of couplings with internal high residual pressure in safe condition and without fluid loss.



Specific dimensions of Stucchi VEP-P, VP-P and VOF series are fire tested and Lloyd certified in accordance with API 16D and the EUB Directive #36. For complete technical information please contact Stucchi technical support.

WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects. It is **MANDATORY** to read and closely follow the instructions written on www.stucchi.it before selecting or using Stucchi products. Connection under pressure are under residual pressure. Never connect or disconnect with dynamic pressure (e.g. pump on). For full specifications see specific data sheet on www.stucchi.it