

ISO 16028 Interchange Couplings Connect Under Pressure



Series: APM

Interchange: ISO 16028

Male coupling "APM" series is the Stucchi solution to the problem of the connection in the presence of high internal residual pressure. Patented double internal security valve system in the male part allows the "APM" series to solve the problem of manual connections in the presence of high residual pressure. The "APM" series nipples are in accordance with **ISO 16028** for interchangeability & performance.

- Zinc plated hardened steel
- Seals: Nitrile / Teflon Standard
- NPT-SAE Standard Ports, Others per request
- Connect with ISO 16028 Coupler
- Connect up to 250 bar residual pressure

Overview: Stucchi APM Series Male Couplings will connect by hand with residual pressure of 250 bar or 3571 psi locked in the hydraulic circuit. It will connect with residual pressure without releasing any fluid into the environment. The mating circuit will need to be without residual pressure.

Applications: Mobile equipment & attachment tools where exposure to the sun, or temperature change causes pressure to develop due to thermal expansion of trapped fluid. Any application where static pressure can get locked into the system.

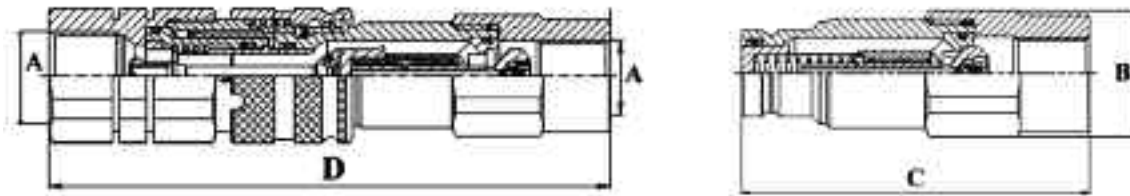
Advantages:

- Connects under high pressure by hand.
- No air inclusion during connection
- Bi-Directional Flow
- Elimination of fluid loss during connection or disconnection.
- Easily cleaned before connection
- Interchangeable with ISO 16028

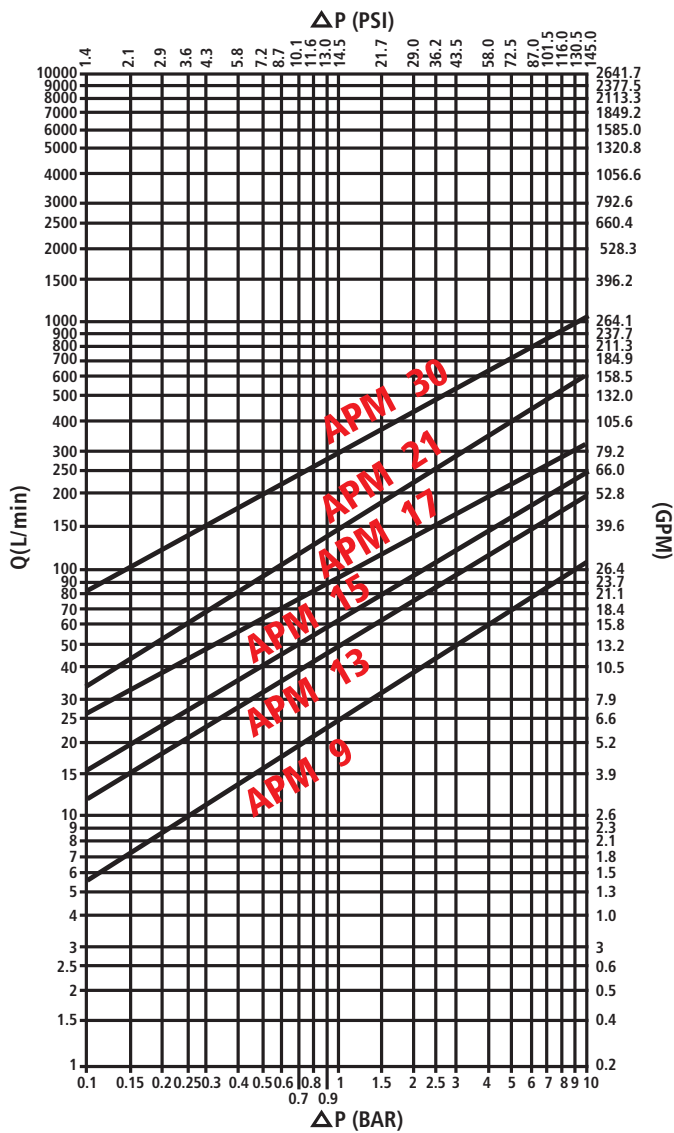
Operation: To Connect wipe the mating surfaces clean, align the coupling & nipple, push together. To Disconnect, pull back the sleeve on the female and the couplers release.

Stucchi Series	Nominal Size Inches	ISO Size MM	MAX OPERATING PRESSURE COUPLED bar	MAX OPERATING PRESSURE COUPLED PSI
APM9	3/8	10.0	350	5000
APM13	1/2	12.5	330	4714
APM15	5/8	16.0	330	4714
APM17	3/4	19.0	330	4714
APM21	1	25.0	300	4286
APM30	1 1/2	31.5	270	3857

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APM Series Male Connected to "A" Series Female Coupler



Item	Body Size	Size (MM)	A inch	B (mm)	C (mm)	D (mm)
APM 9	3/8	10	3/8	29	80	135
APM 9	3/8	10	1/2	29	82.5	138
APM 13	1/2	12.5	1/2	38.5	91	157
APM 13*	1/2	12.5	3/4	38.5	93.5	161
APM 13	1/2	12.5	3/4	38.5	91	157
APM 15	5/8	16	3/4	38.5	95	161
APM 17	3/4	19.0	1	49.8	109	157
APM 21	1	25.0	1 1/4	59.8	123.5	162
APM 30	1 1/2	31.5	1 1/2	75.8	146.9	186

*SAE THREAD



ISO 16028 Interchange: Nipple Connect Under Pressure Series: APM-8052

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Nipple	3/8	3/8	NPT	805201001	M. APM 9 3/8 NPT
Nipple	3/8	1/2	NPT	805201003	M. APM 9 1/2 NPT
Nipple	1/2	1/2	NPT	805201005	M. APM 13 1/2 NPT
Nipple	1/2	3/4	NPT	805201007	M. APM 13 3/4 NPT
Nipple	5/8	3/4	NPT	805201009	M. APM 15 3/4 NPT
Nipple	3/4	3/4	NPT	805201019	M. APM 17 3/4 NPT
Nipple	3/4	1	NPT	805201011	M. APM 17 1" NPT
Nipple	1	1 1/4	NPT	805201017	M. APM 21 114 NPT
Nipple	1 1/2	1 1/2	NPT	805201015	M. APM 30 112 NPT



ISO 16028 Interchange: Nipple Connect Under Pressure Series: APM-8052

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Nipple	3/8	1/2	SAE	805204001	M. APM 9 1/2 SAE
Nipple	1/2	5/8	SAE	805204003	M. APM 13 5/8 SAE
Nipple	1/2	1/2	SAE	805204025	M. APM 13 1/2 SAE
Nipple	1/2	3/4	SAE	805204005	M. APM 13 3/4 SAE
Nipple	5/8	3/4	SAE	805204007	M. APM 15 3/4 SAE
Nipple	3/4	3/4	SAE	805204027	M. APM 17 3/4 SAE
Nipple	3/4	1	SAE	805204009	M. APM 17 1" SAE
Nipple	1	1 1/4	SAE	805204017	M. APM 21 114 SAE
Nipple	1 1/2	1 1/2	SAE	805204015	M. APM 30 112 SAE
Nipple	1/2	5/8	ORFS BH	805213001	M. APM 13 5/8 ORFS BH
Nipple	1/2	5/8	JIC BH	805206001	M. APM 13 5/8 JIC BH



ISO 16028 Interchange: Nipple Connect Under Pressure Series: APM-8052

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Nipple	3/8	3/8	BSP	805200001	M. APM 9 3/8 BSP
Nipple	3/8	1/2	BSP	805200003	M. APM 9 1/2 BSP
Nipple	1/2	1/2	BSP	805200005	M. APM 13 1/2 BSP
Nipple	1/2	3/4	BSP	805200007	M. APM 13 3/4 BSP
Nipple	5/8	3/4	BSP	805200009	M. APM 15 3/4 BSP
Nipple	3/4	1	BSP	805200011	M. APM 17 1" BSP

