TEMA Profile

Body Size

1/2" up to 1"

Tema Profile

H-Series

Medium Pressure



Technical Description
The H series is a further development of the standard hydraulic coupling, with some new materials to stand up to heavy conditions. The body of the coupling is made of steel so that the coupling functions reliably even when subject to substantial lateral forces and high impulses.

Super Nipple
Increased hardening for better wear resistance

Advantages
- High flow rate – minimum pressure drop.
- Twice as safe through double sealing.
- Safety closing ring prevents unintentional uncoupling.
- Maximum protection against corrosion.
- Small dimensions.
- Pressure eliminator for coupling and plug available. Possible to connect up to working pressure.

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves

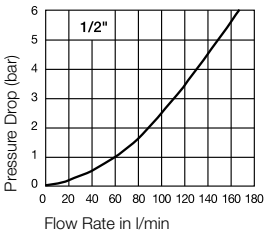
Applications Area

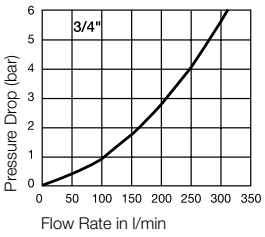
Body Size	Bursting Pressure connected
1/2"	> 1200 bar
3/4"	> 1200 bar
1"	> 1200 bar

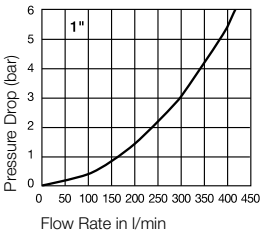
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Brass
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder	Brass, hard-drawn

Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Seals	NBR/FKM
Valve Holder	Brass, hard-drawn

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000

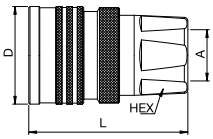






Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

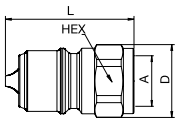
Couplings — H-Series



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	30	65	40	with	320	Standard	NBR	H5010
1/2"	G 1/2	30	65	40	with	320	Standard	FKM	H5010 V
3/4"	G 3/4	38	73	52	with	300	Standard	NBR	H7510
3/4"	G 3/4	38	73	52	with	300	Standard	FKM	H7510 V
1"	G 1	45	88	62	with	280	Standard	NBR	H10010
1"	G 1	45	88	62	with	280	Standard	FKM	H10010 V

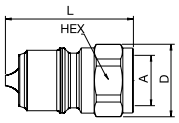
Plugs — H-Series



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
3/4"	G 3/4	36	52	39	with	300	Standard	FKM	7520 V
1"	G 1	46	60	49	with	280	Standard	NBR	10020
1"	G 1	46	60	49	with	280	Standard	FKM	10020 V

Super Nipple — H-Series



Female Thread

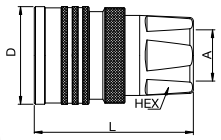
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S

⚠ Please consider our security advices on the pages 12/13 ⚠

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Couplings — H-Series

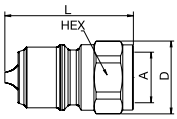
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	30	65	40	with	320	Press. Eliminator	NBR	H5011
1/2"	G 1/2	30	65	40	with	320	Press. Eliminator	FKM	H5011 V
3/4"	G 3/4	38	72	52	with	300	Press. Eliminator	NBR	H7511
3/4"	G 3/4	38	72	52	with	300	Press. Eliminator	FKM	H7511 V
1"	G 1	45	88	62	with	280	Press. Eliminator	NBR	H10011
1"	G 1	45	88	62	with	280	Press. Eliminator	FKM	H10011 V



Female Thread

Plugs — H-Series

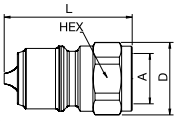
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	NBR	5021-QC
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	FKM	5021 V
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521-QC
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	FKM	7521 V
1"	G 1	46	61	49	with	280	Press. Eliminator	NBR	10021
1"	G 1	46	61	49	with	280	Press. Eliminator	FKM	10021 V



Female Thread

Super Nipple — H-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521 S



Female Thread